TA-A400

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model

SPECIFICATIONS

Amplifier

Continuous RMS power output (both channels driven simultaneously)

US, Canadian model:
at 20 Hz – 20 kHz
100 W + 100 W (0.05% THD, 8 ohms)
AEP, G-AEP, UK model:
at 1 kHz
110 W + 110 W (5% THD, 4 ohms)
at 20 Hz – 20 kHz
80 W + 80 W (0.05% THD, 4 ohms)
at 40 Hz – 12.5 kHz
90 W + 90 W (0.05% THD, 4 ohms)

Power bandwidth (IHF)
US, Canadian model:
7 Hz – 40 kHz (8 ohms, 50 watts)
AEP, G-AEP, UK model:
7 Hz – 40 kHz (4 ohms, 40 watts)

Dynamic headroom
1.6 dB ('78 IHF)

Harmonic distortion
Less than 0.05% at rated output

Intermodulation (IM) distortion (60 Hz : 7 kHz = 4 : 1)
Less than 0.05% at rated output

Frequency response
PHONO: RIAA equalization curve ±0.5 dB
TUNER, CD, VIDEO/AUX, TAPE1, TAPE2/DAT:
7 Hz – 100 kHz ±3 dB

Residual noise
US, Canadian model:
Less than 300 μV (8 ohms, network A)
AEP, G-AEP, UK model:
Less than 200 μV (4 ohms, network A)

Damping factor 50 (8 ohms, 1 kHz)

Input

Input jack		Jack type	Sensitivity	Impedance	S/N (weighting network, input level)
PHONO	MM	Phono	2.0 mV	50 kilohms	88 dB 86 dB* (A, 2.0 mV)
	MC	Phono	170 μV	100 ohms	68 dB 75 dB* (A, 170 μV)
TUNER CD VIDEO/AUX TAPE		Phono	150 mV	50 kilohms	100 dB 88 dB* (150 mV)

*'78 IHF

Output

REC OUT	Phono jacks	Voltage 150 mV Impedance 1 kilohm
SPEAKERS	—	Accepts speakers of 4 - 16 ohms.
HEAD-PHONES	Stereo phone jack	Accepts low and high impedance headphones.

Tone controls

	Response	Turnover frequency
BASS	±10 dB (100 Hz)	500 Hz
TREBLE	±10 dB (15 kHz)	3 kHz

— Continued on page 2 —

MICROFILM

INTEGRATED STEREO AMPLIFIER

SONY®

AUD

Loudness (Attenuation 30 dB)
US, Canadian model: +7 dB (100 Hz)
+2 dB (10 kHz)
AEP, G-AEP, UK model: +6 dB (100 Hz)
+2 dB (10 kHz)

Subsonic filter — Response: 6 dB/octabe
Cutoff: Below 15 Hz

Muting — –20 dB

General

System — Preamplifier: Low-noise, high-gain equalizer amplifier
Power amplifier: Pure-complementary SEPP OCL power amplifier with all stages directly coupled

Power requirements
US, Canadian model: 120 V AC, 60 Hz
AEP, G-AEP model: 220 V AC (or 240 V AC adjustable by authorized Sony personnel), 50 Hz
UK model: 240 V AC (or 220 V AC adjustable by authorized Sony personnel), 50 Hz

Power consumption
US model: 170 W
Canadian model: 390 VA
AEP, G-AEP model: 180 W
UK model: 480 W

AC outlets — US, Canadian model: 2 switched, total 100 watts max. 1 unswitched, 100 watts max.
AEP, G-AEP model: 3 switched, total 100 watts max.
UK model: 1 switched, 100 watts max.

Dimensions — AEP, G-AEP model:
Approx. 430 x 130 x 360 mm (w/h/d)
(17 x 5⅛ x 14¼ inches)
US, Canadjan, UK model:
Approx. 430 x 130 x 350 mm (w/h/d)
(17 x 5⅛ x 13⅞ inches)

Weight — Approx. 8.7 kg (19 lb 3 oz)

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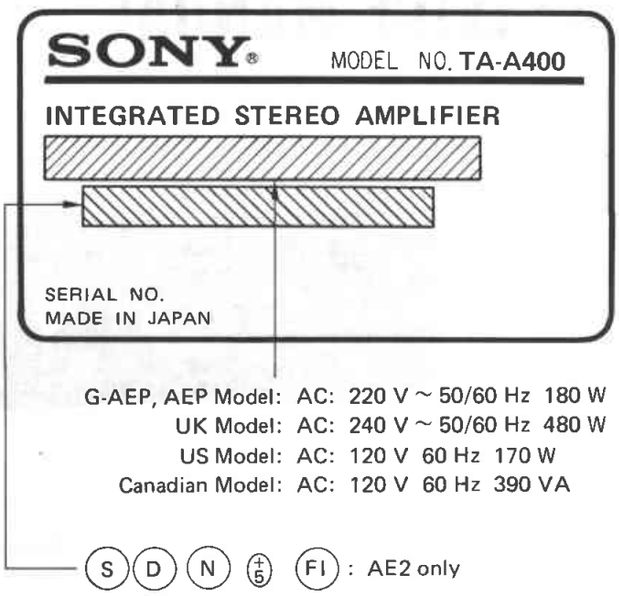
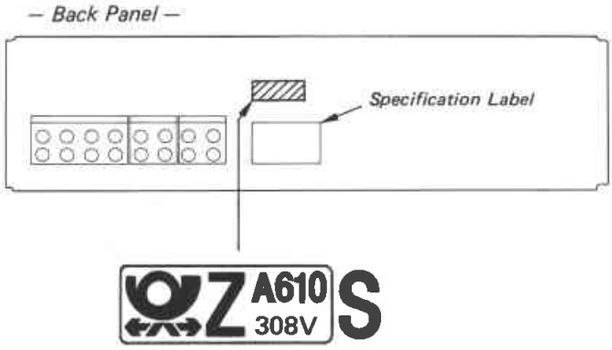
MODEL IDENTIFICATION

– Specification Label –


SONY
MODEL NO. TA-A400
INTEGRATED STEREO AMPLIFIER
SERIAL NO.
MADE IN JAPAN
G-AEP, AEP Model: AC: 220 V ~ 50/60 Hz 180 W
UK Model: AC: 240 V ~ 50/60 Hz 480 W
US Model: AC: 120 V 60 Hz 170 W
Canadian Model: AC: 120 V 60 Hz 390 VA
S D N +5 FI : AE2 only

– Back Panel –



DBP mark is carved only in G-AEP model as shown above.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SAFETY CHECK-OUT (US Model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

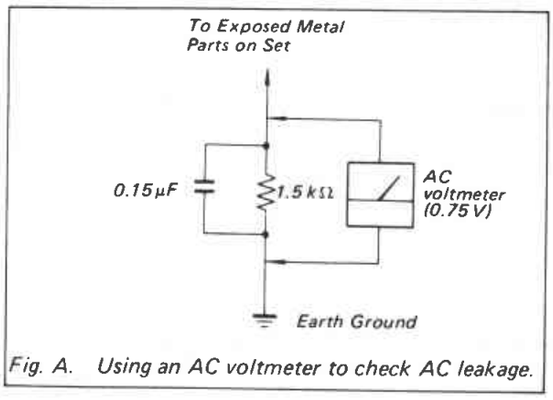
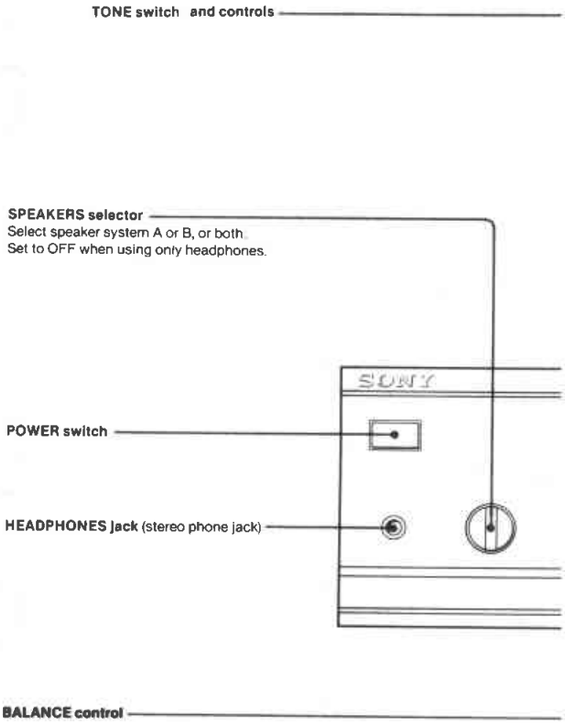


Fig. A. Using an AC voltmeter to check AC leakage.

LOCATION AND FUNCTION OF CONTROL



PARTS IDENTIFICATION OF THE REAR PANEL

INPUT jacks (phono)

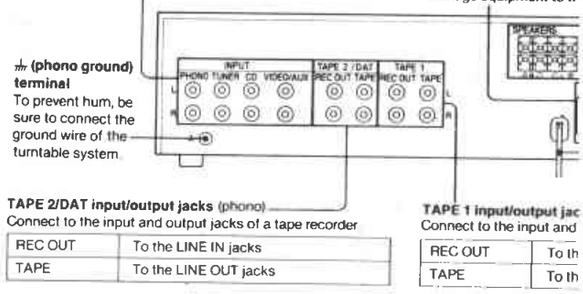
PHONO	Connect a turntable system.
TUNER	Connect a tuner.
CD	Connect a compact disc player.
VIDEO/AUX	Connect to the audio output jacks of a VCR or other audio equipment.

AC OUTLETs

Use these to power othe
consumption is less tha

SWITCHED	Cor
UNSWITCHED (US, Canadian model)	Alw swi

Caution
Do not connect any hon
wattage equipment to th



⏚ (phono ground) terminal
To prevent hum, be sure to connect the ground wire of the turntable system.

TAPE 2/DAT input/output jacks (phono)
Connect to the input and output jacks of a tape recorder.

REC OUT	To the LINE IN jacks
TAPE	To the LINE OUT jacks

TAPE 1 input/output jac
Connect to the input and

REC OUT	To th
TAPE	To th

SECTION 1
ELECTRICAL ADJUSTMENTS

NOTE:

- Adjustments should be performed 10 minutes after the POWER switch is on (POWER ON).

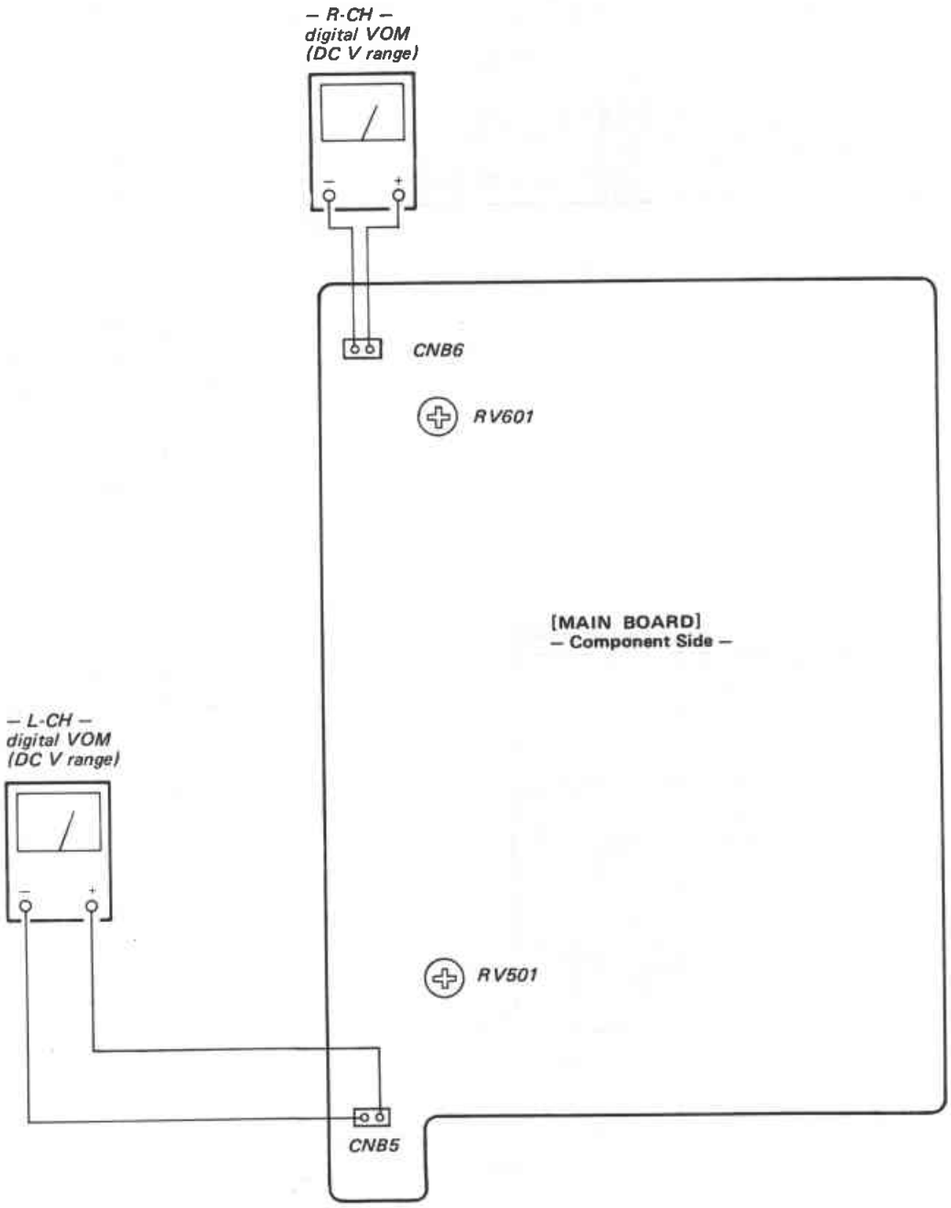
Bias Current Adjustment

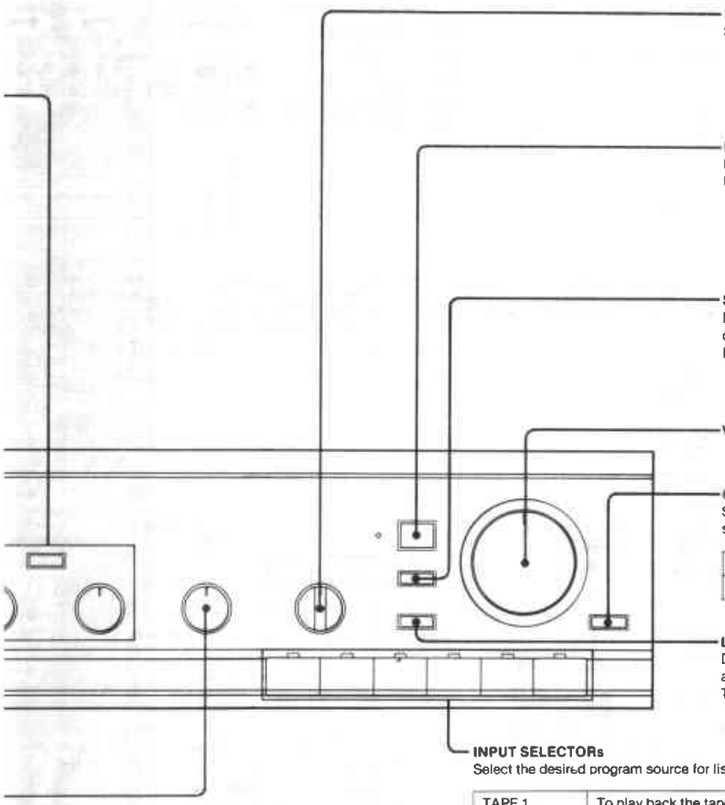
Setting:

AUDIO SOURCE selector: TUNER
Input Signal: No signal input

Procedure:

Adjust RV501 (L-CH) and RV601 (R-CH) so as to obtain 3 mV at CNB5 (L-CH) and CNB6 (R-CH) respectively.





REC OUT (recording output) SELECTORs
Select the desired program source for recording.

MUTING switch
Depress to decrease the sound level temporarily.
Press again to restore the previous sound level.

SUBSONIC filter switch
Depress to eliminate low frequency noise (below 15 Hz) caused by warped discs, etc.
Press it again to disengage the filter.

VOLUME control

CARTRIDGE selector
Select according to the cartridge type of your turntable system.

MC (depressed)	For moving-coil cartridge
MM (released)	For moving-magnet cartridge

LOUDNESS switch
Depress to reinforce bass or treble especially when listening at a low volume.
To disengage the switch, press it again.

INPUT SELECTORs
Select the desired program source for listening.

TAPE 1	To play back the tape recorder connected to the TAPE 1 jacks
TAPE 2/DAT	To play back the tape recorder connected to the TAPE 2/DAT jacks
VIDEO/AUX	To listen to the sound of the video equipment or other audio equipment connected to the VIDEO/AUX INPUT jacks
CD	To play back the compact disc player connected to the CD INPUT jacks
TUNER	To listen to the radio programs of the tuner connected to the TUNER INPUT jacks
PHONO	To play the turntable system connected to the PHONO INPUT jacks

[redacted]

› units whose power
watts.

by the POWER switch.
› regardless of the POWER sition.

rical appliances or high-
outlets.

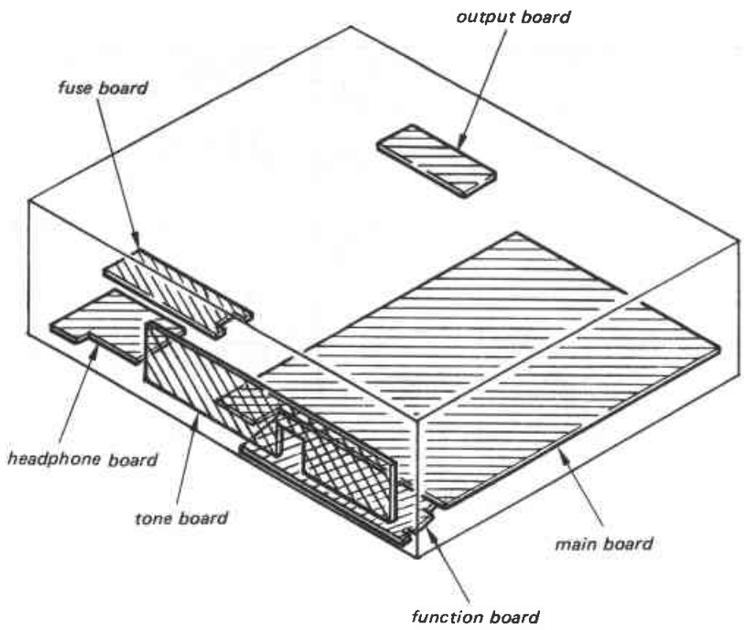
SPEAKERS A, B terminals

AC power cord

ono)
t jacks of a tape recorder.

IN jacks
OUT jacks

- **Circuit Boards Location**

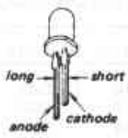


- Semiconductor Lead Layouts

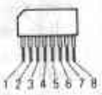
BA4560

2SA1175
2SC2785

SEL1910W

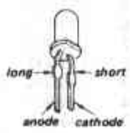


M5218L
μPC1237HA



2SA1346
2SC634SP

SEL4510C-C



2SA979

2SA1491
2SC3855

2SA985
2SA985A
2SB1094-L
2SC2275
2SC2275A
2SC3514
2SD1585-L

2SK246GR3

2SA988
2SC1383
2SC1841
2SC2545

10E2N
1SS131
1SS132
HZ15-2L
HZ3B-2L
HZ6A-2L
HZ7B-2K

SECTION 2
DIAGRAMS

2-1. MOUNTING DIAGRAM

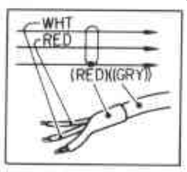
- See page 6 for Circuit Boards Location.
- See page 7 for Semiconductor Lead Layouts.

• SEMICONDUCTOR LOCATION

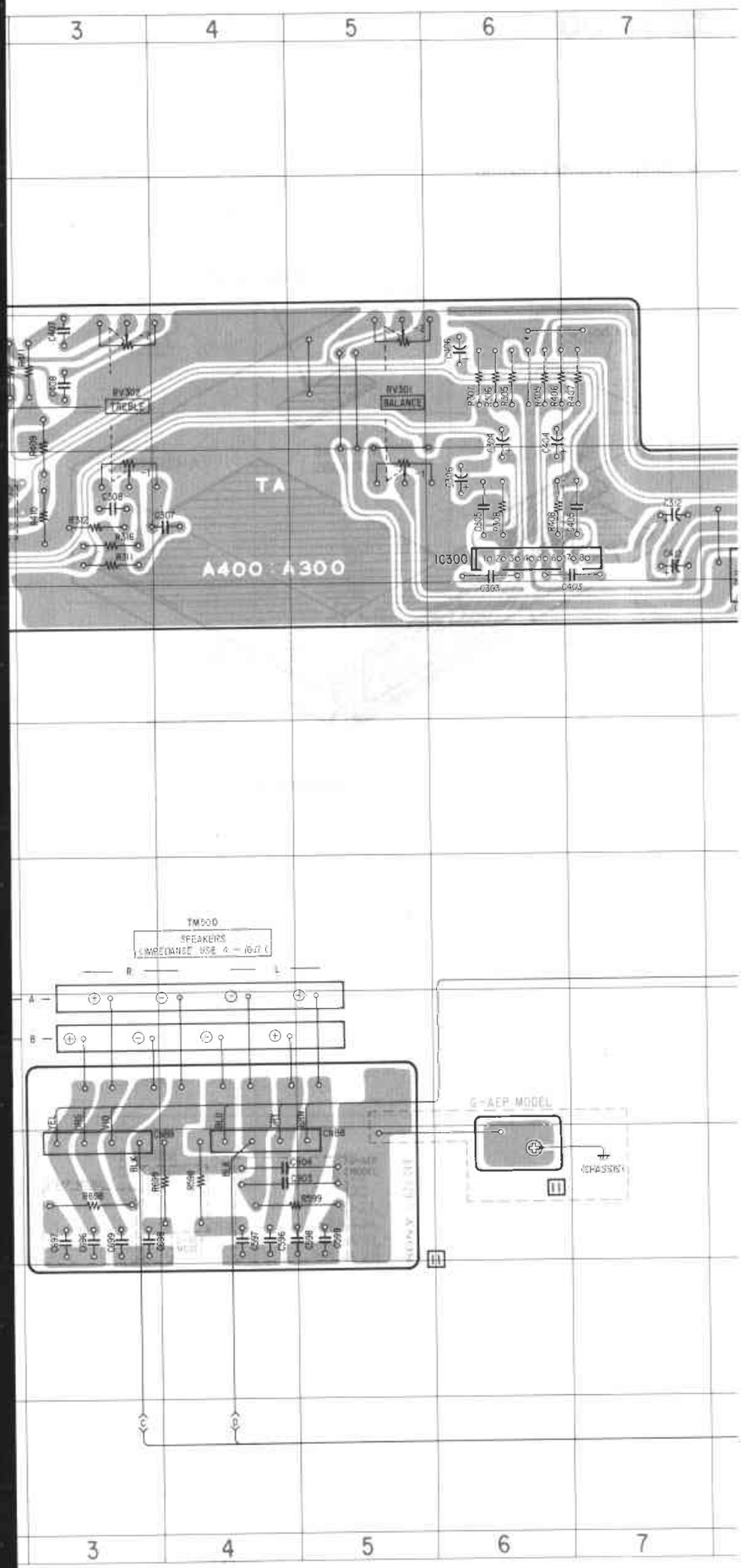
Ref. No.	Location	Ref. No.	Location
D050	G-14	Q505	J-18
D051	F-14	Q506	H-16
D052	E-14	Q507	I-19
D053	D-14	Q508	H-16
D054	C-14	Q509	I-18
D055	B-14	Q510	I-17
D056	D-9	Q511	J-19
D057	F-21	Q512	J-16
D201	B-21	Q513	G-17
D501	H-16	Q514	I-16
D502	H-18	Q601	G-23
D503	G-17	Q602	H-23
D504	F-17	Q603	H-24
D601	H-23	Q604	H-25
D602	H-24	Q605	J-23
D603	H-22	Q606	H-23
D604	G-21	Q607	I-25
D700	I-20	Q608	H-23
D701	F-21	Q609	I-25
D702	G-21	Q610	I-23
D703	F-21	Q611	J-24
D800	E-19	Q612	J-22
D802	G-20	Q613	G-23
D803	G-20	Q614	I-22
D804	E-18	Q700	F-19
		Q800	E-19
IC100	B-22	Q801	E-19
IC300	D-6	Q803	E-18
IC700	F-22	Q804	E-18
Q050	E-20		
Q051	E-20		
Q100	B-23		
Q101	B-23		
Q200	C-23		
Q201	C-23		
Q501	H-17		
Q502	G-17		
Q503	H-18		
Q504	H-18		

Note:

- Color code or sleeving over the end of the jacket.



- o—— : parts extracted from the component side.
- •—— : parts extracted from the conductor side.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TA
A400 · A300
IC300
BALANCE
TREBLE
TM900
SPEAKERS
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G-AEP MODEL
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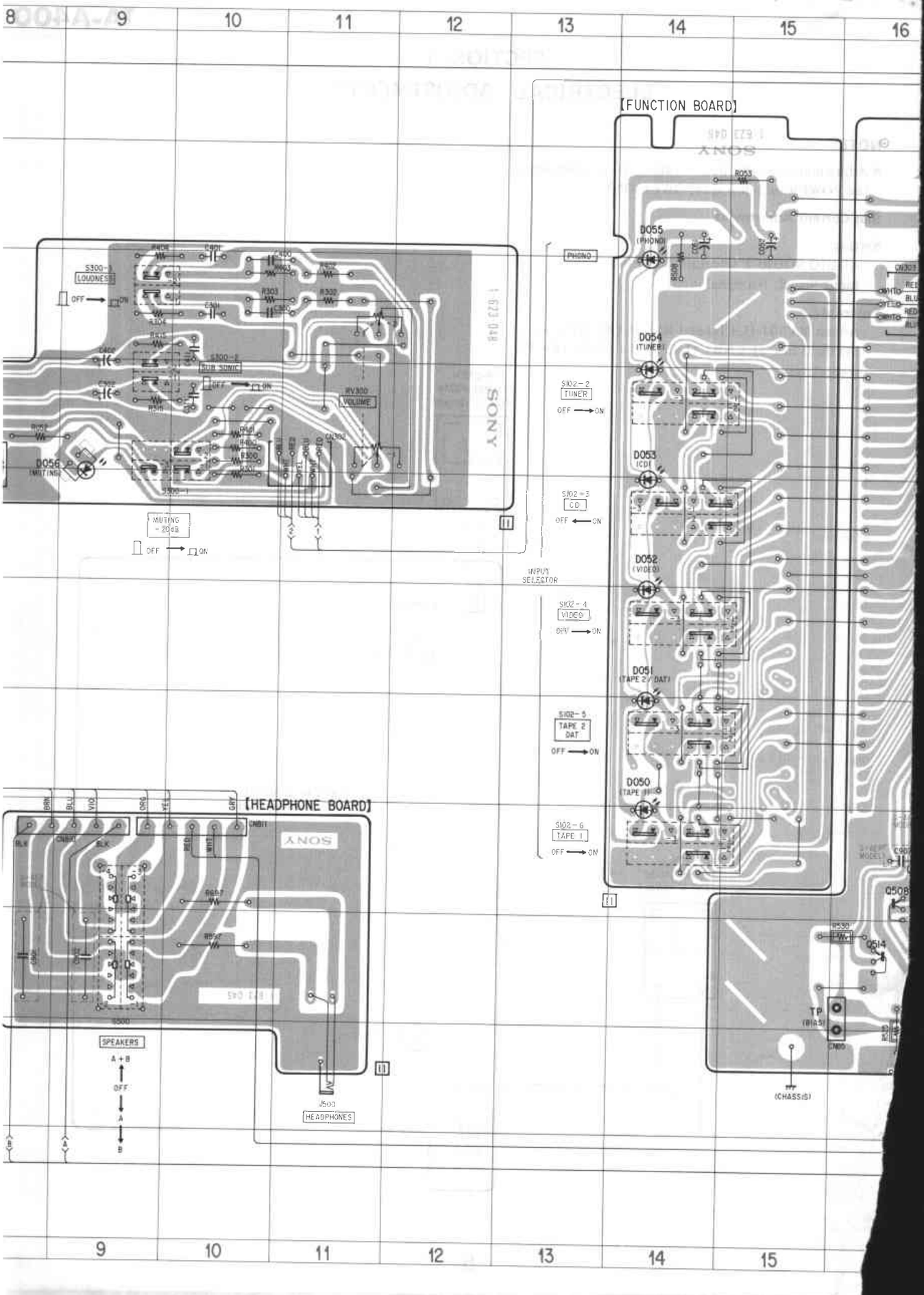
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16
[FUNCTION BOARD]
[HEADPHONE BOARD]
S300-1
LOUDNESS
S300-2
BASS BOOST
RV300
VOLUME
D056
MUTING
MUTING
-20dB
OFF
ON
PHONO
S102-2
TUNER
S102-3
CD
S102-4
VIDEO
S102-5
TAPE 2
DAT
S102-6
TAPE 1
INPUT
SELECTOR
D055
(PHONO)
D054
(TUNER)
D053
(CD)
D052
(VIDEO)
D051
(TAPE 2 / DAT)
D050
(TAPE 1)
Q508
Q514
TP
(BIAS)
CN00
(CHASSIS)
SONY
SPEAKERS
A+B
OFF
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B
J500
HEADPHONES
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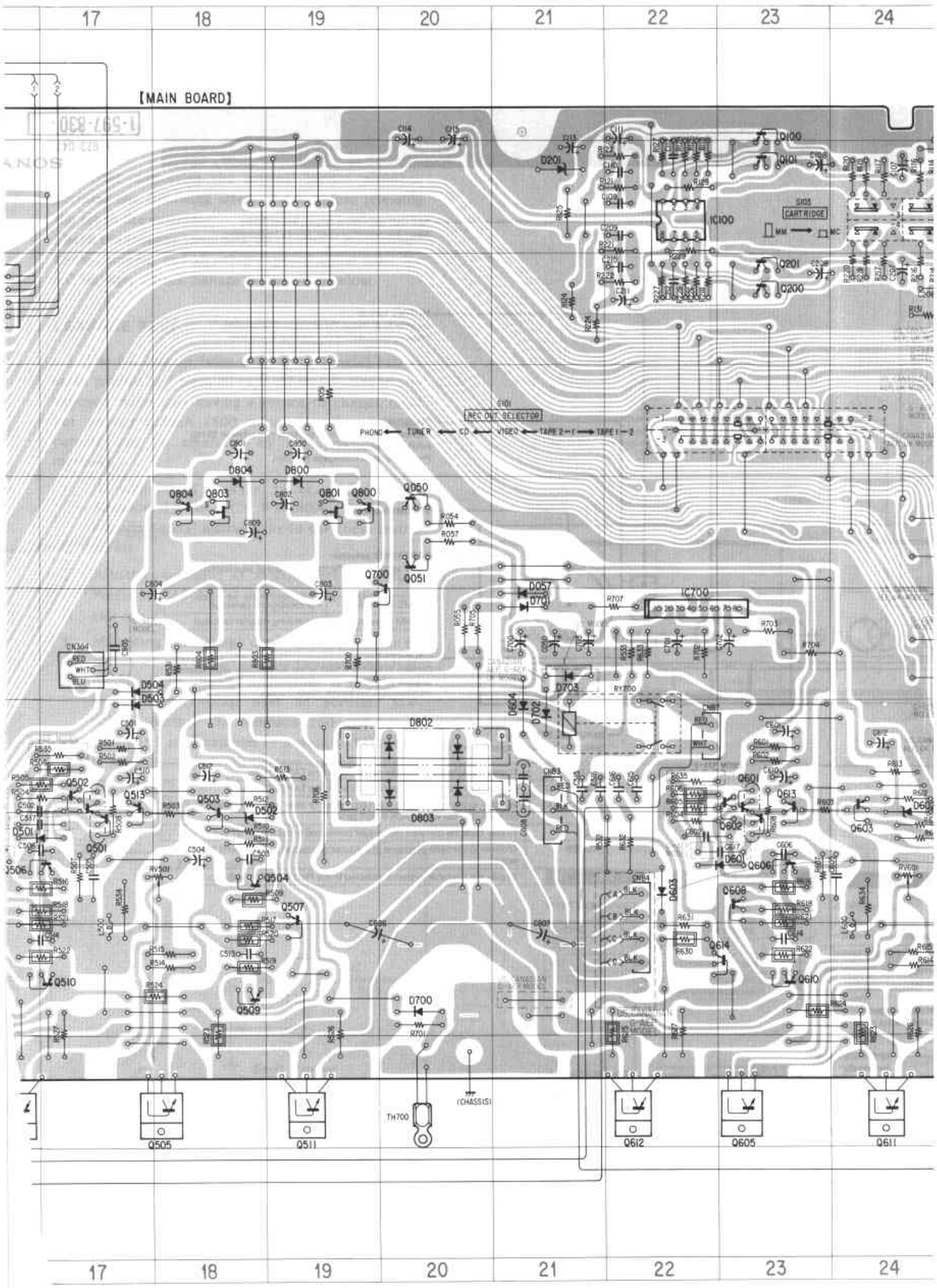
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【MAIN BOARD】
IC100
IC700
SW100
CARTRIDGE
MM
MC
REC OUT SELECTOR
PHONO
TUNER
CD
VIDEO
TAPE 2→1
TAPE 1→2
D802
D803
D700
TH700
(CHASSIS)
Q505
Q511
Q612
Q605
Q611
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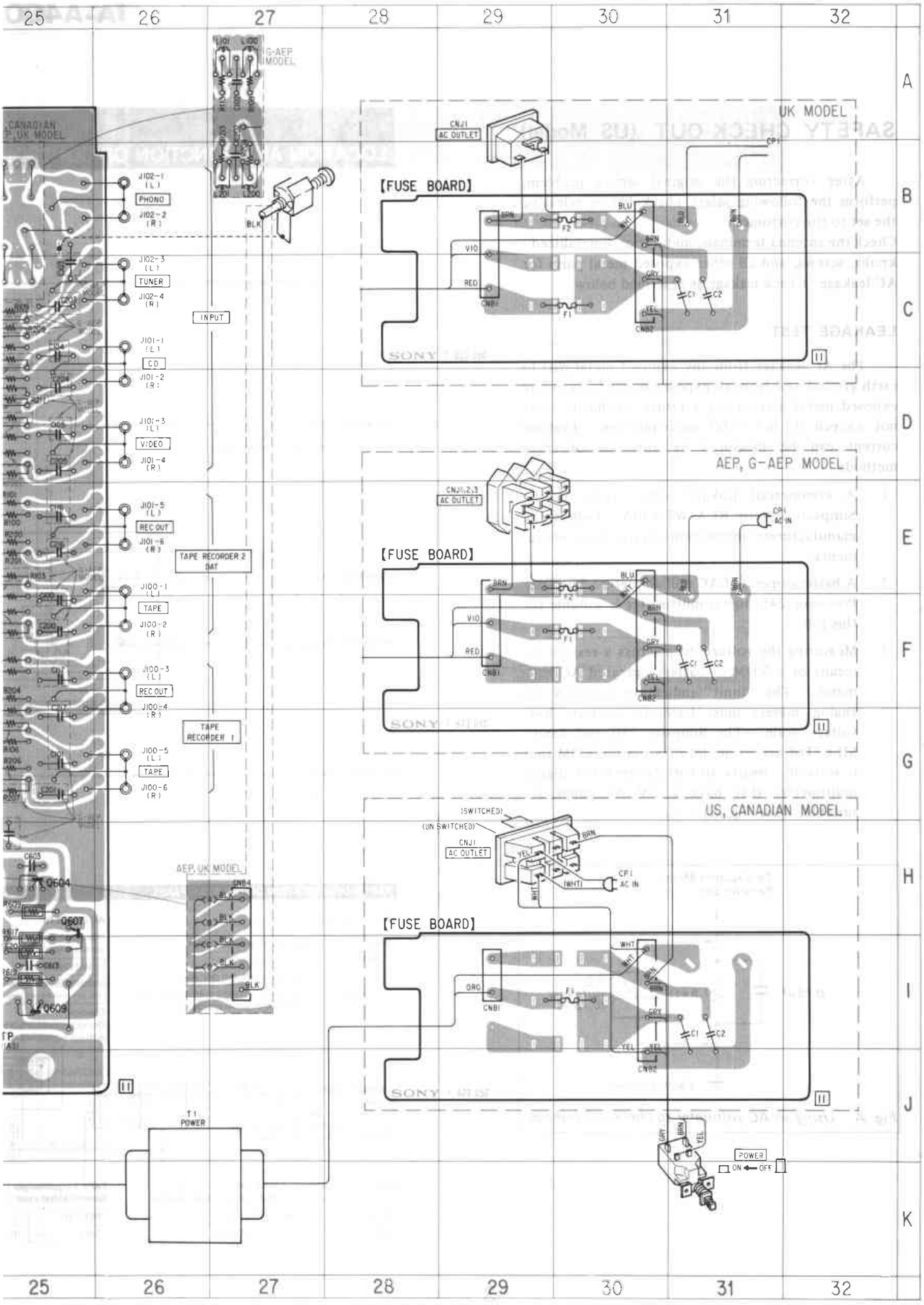
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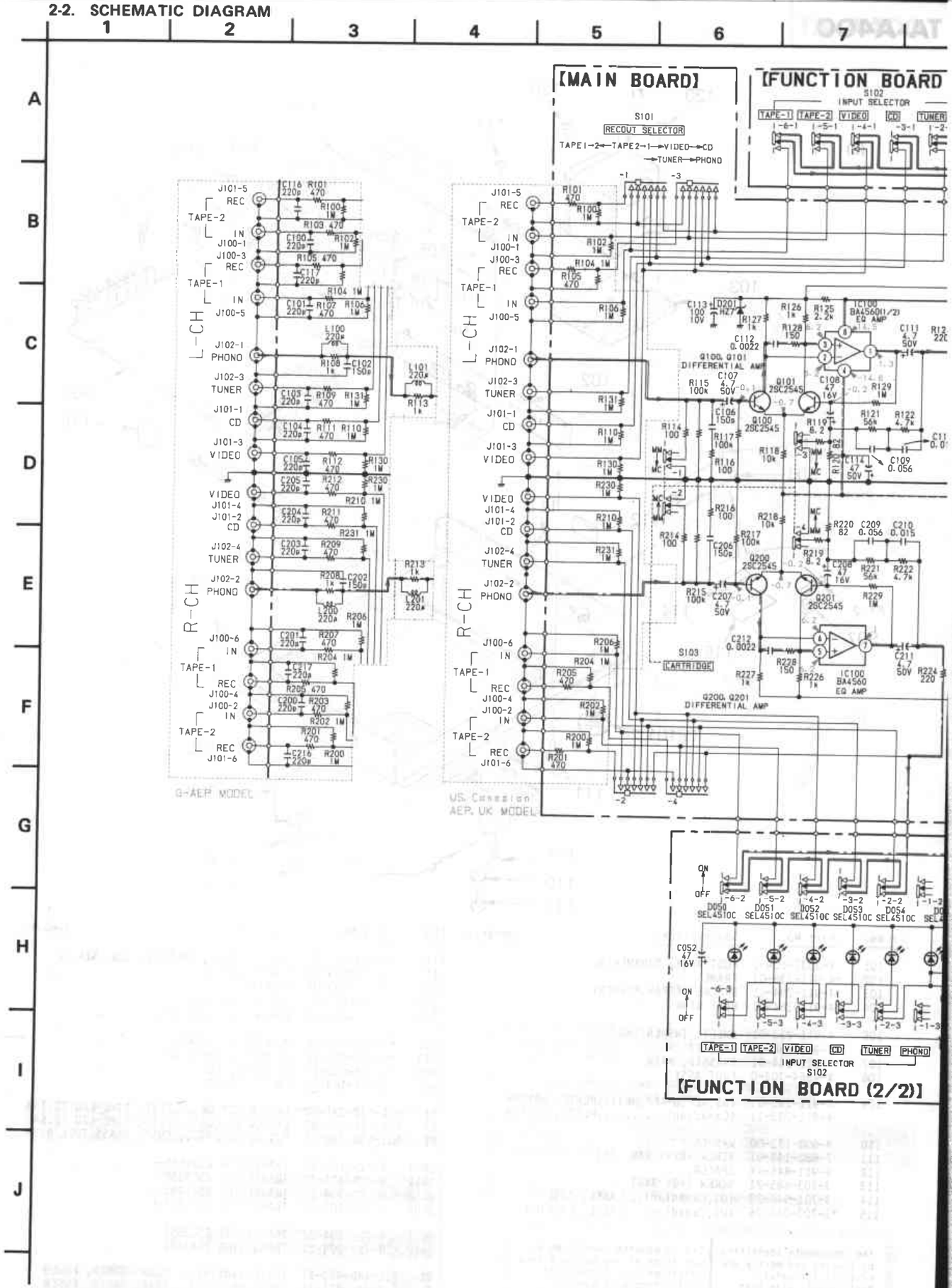
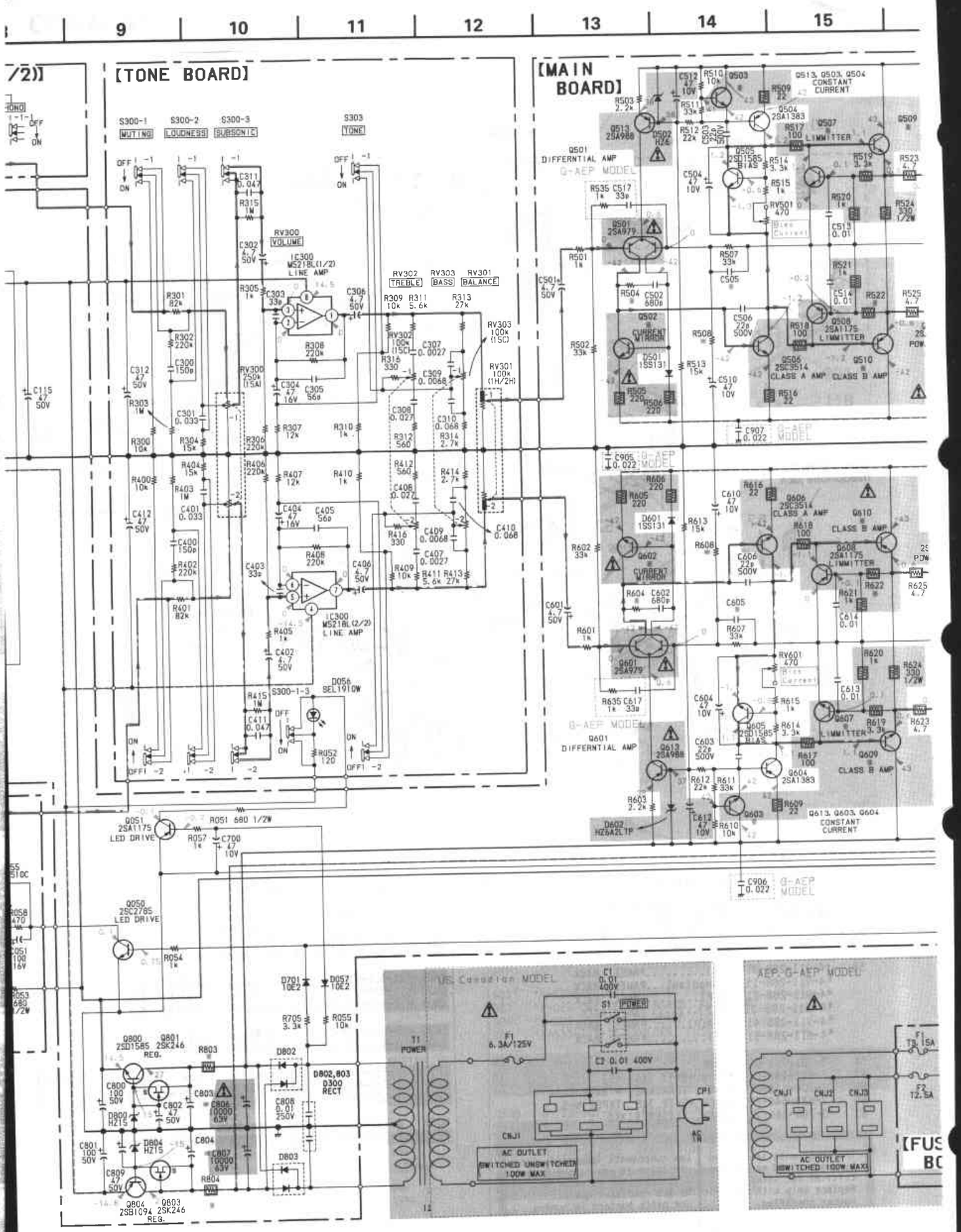
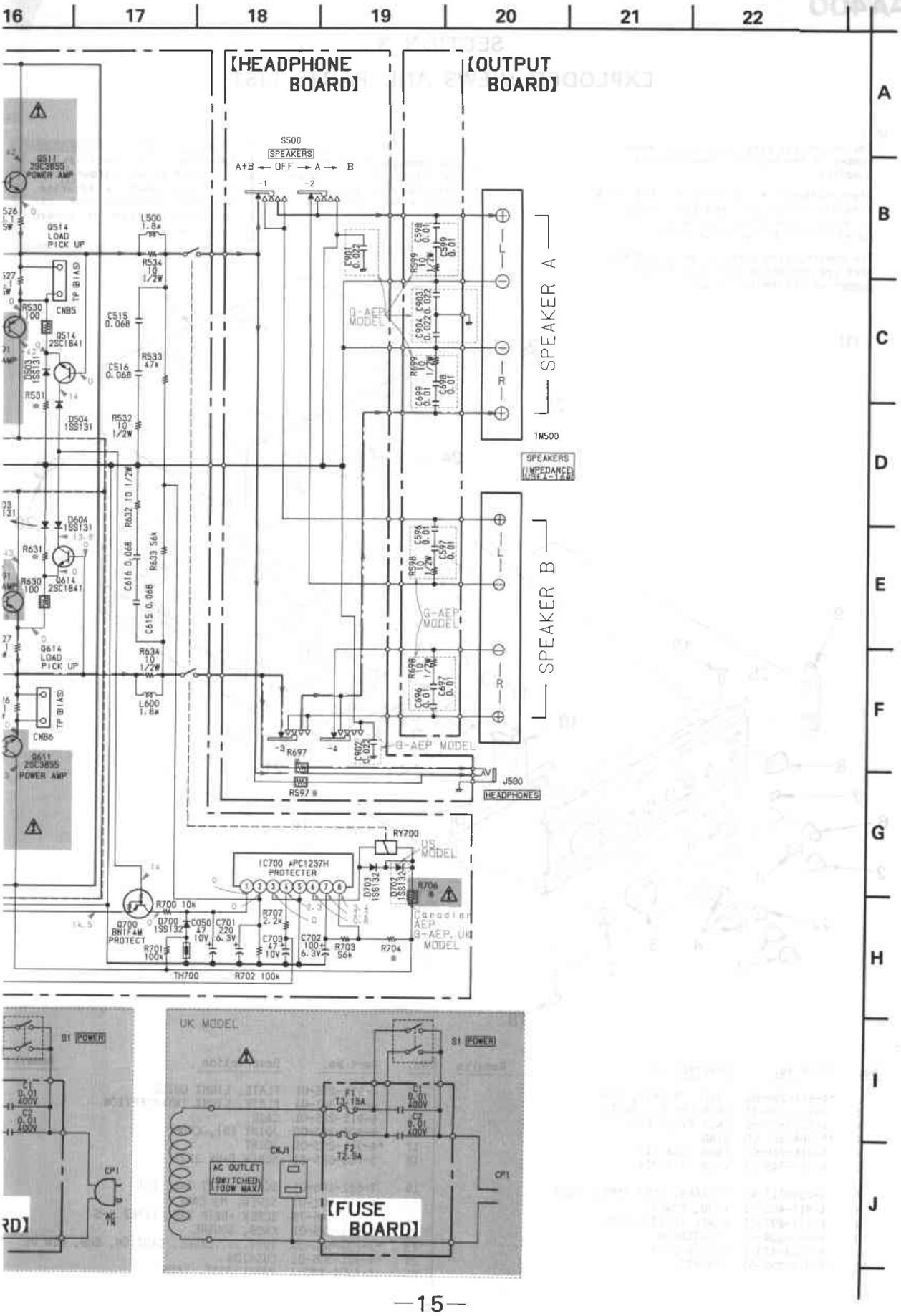
A
B
C
D
E
F
G
H
I
J
K
G-AEP MODEL
CANADIAN
P, UK MODEL
J102-1 (L) PHONO
J102-2 (R)
J102-3 (L) TUNER
J102-4 (R)
INPUT
J101-1 (L) CD
J101-2 (R)
J101-3 (L) VIDEO
J101-4 (R)
J101-5 (L) REC OUT
J101-6 (R)
TAPE RECORDER 2 DAT
J100-1 (L) TAPE
J100-2 (R)
J100-3 (L) REC OUT
J100-4 (R)
TAPE RECORDER 1
J100-5 (L) TAPE
J100-6 (R)
BLK
AEP, UK MODEL
CNB4
Q604
Q607
Q609
T1 POWER
UK MODEL
CNJ1 AC OUTLET
CP1
[FUSE BOARD]
BRN
BLU
WHT
VIO
RED
GRY
YEL
CNB1
CNB2
F1
F2
C1
C2
SONY
AEP, G-AEP MODEL
CNJ1,2,3 AC OUTLET
CP1 AC IN
US, CANADIAN MODEL
(SWITCHED)
(UN SWITCHED)
CNJ1 AC OUTLET
CP1 AC IN
ORG
POWER
ON
OFF

2-2. SCHEMATIC DIAGRAM




9
10
11
12
13
14
15
[TONE BOARD]
[MAIN BOARD]
S300-1 MUTING
S300-2 LOUDNESS
S300-3 SUBSONIC
S303 TONE
RV300 VOLUME
RV302 TREBLE
RV303 BASS
RV301 BALANCE
LC300 M5218L(1/2) LINE AMP
LC300 M5218L(2/2) LINE AMP
S300-1-3
D056 SEL1910W
Q501 DIFFERNTIAL AMP
G-AEP MODEL
Q513, Q503, Q504 CONSTANT CURRENT
Q502 CURRENT MIRROR
Q505 2SC3514 CLASS A AMP
Q510 CLASS B AMP
Q508 2SA1175 LIMMITTER
Q507 LIMMITTER
Q509
Q504 2SA1383
Q505 2SD1585 BIAS
Q601 DIFFERNTIAL AMP
Q602 CURRENT MIRROR
Q606 2SC3514 CLASS A AMP
Q610 CLASS B AMP
Q608 2SA1175 LIMMITTER
Q607 LIMMITTER
Q609 CLASS B AMP
Q604 2SA1383
Q605 2SD1585 BIAS
Q613, Q603, Q604 CONSTANT CURRENT
Q051 2SA1175 LED DRIVE
Q050 2SC2785 LED DRIVE
Q800 2SD1585 REG.
Q801 2SK246 REG.
Q804 2SB1094 REG.
Q803 2SK246 REG.
D802, 803 D3D0 RECT
T1 POWER
F1 6.3A/125V
S1 POWER
C2 0.01 400V
CNJ1
AC OUTLET SWITCHED UNSWITCHED 100W MAX
US, Canadian MODEL
AEP, G-AEP MODEL
AC OUTLET SWITCHED 100W MAX


16
17
18
19
20
21
22
A
B
C
D
E
F
G
H
I
J
[HEADPHONE BOARD]
[OUTPUT BOARD]
S500
SPEAKERS
A+B ← OFF → A → B
-1
-2
Q511 2SC3855 POWER AMP
Q514 LOAD PICK UP
L500 1.8μ
R534 10 1/2W
R530 100
CNB5
TP BIAS
Q514 2SC1841
C515 0.068
C516 0.068
R533 47k
R531
D504 1SS131
R532 10 1/2W
D604 1SS131
R631
R630 100
Q614 2SC1841
C616 0.068
R632 10 1/2W
R633 56k
C615 0.068
Q614 LOAD PICK UP
R634 10 1/2W
L600 1.8μ
CNB6
Q611 2SC3855 POWER AMP
G-AEP MODEL
C901 0.022
C903 0.022
C905 0.022
C907 0.022
R599 10 1/2W
C598 0.01
C599 0.01
R699 10 1/2W
C699 0.01
C698 0.01
SPEAKER A
L
R
TM500
SPEAKERS (IMPEDANCE USE 4-16Ω)
R598 10 1/2W
C596 0.01
C597 0.01
R698 10 1/2W
C696 0.01
C697 0.01
SPEAKER B
-3
-4
R697
C902 0.022
C904 0.022
C906 0.022
C908 0.022
R597
AV
J500
HEADPHONES
RY700
US MODEL
IC700 μPC1237H PROTECTER
R706
D703 1SS132
D702 1SS132
R700 10k
Q700 BNT AM PROTECT
D700 1SS132
C050 47 10V
C701 220 6.3V
R707 2.2k
C703 47 10V
C702 100 6.3V
R703 56k
R704
Canadian AEP G-AEP, UK MODEL
R701 100k
TH700
R702 100k
S1 POWER
C1 0.01 400V
C2 0.01 400V
CP1
AC IN
UK MODEL
F1 T3.15A
F2 T2.5A
CNJ1
AC OUTLET (SWITCHED) (100W MAX)
[FUSE BOARD]

- Type and value of ※ marking parts differ depending on destinations.

Ref. No.	US, Canadian	AEP, UK	G-AEP
C505	6.8p	←	10p
C605	6.8p	←	10p
C803	470/50V	470/35V	←
C804	470/50V	470/35V	←
Q502	2SC2785	2SC634SP	←
Q503	2SC2785	2SC634SP	←
Q507	2SC2785	2SC634SP	←
Q509	2SC2275A	2SC2275	←
Q510	2SC985A	2SC985	←
Q602	2SC2785	2SC634SP	←
Q603	2SC2785	2SC634SP	←
Q607	2SC2785	2SC634SP	←
Q609	2SC2275A	2SC2275	←
Q610	2SC985A	2SC985	←
R504	330	←	560
R508	1.8k	2.7k	←
R522	2.2k	2.7k	←
R531	15k	4.7k	←
R597	820/2W	470/2W	←
R604	330	←	560
R608	1.8k	2.7k	←
R622	2.2k	2.7k	←
R631	15k	4.7k	←
R697	820/2W	470/2W	←
R704	22k	15k	←
R706	820/3W	560/3W	←
R803	560/3W	470/3W	←
R804	560/3W	470/3W	←

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- ——→ : L-CH signal path.
- - - → : R-CH signal path.
- : nonflammable resistor.
- ——— : B+ bus.
- - - - : B− bus.
- : adjustment for repair.
- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- Readings are taken under no-signal conditions with a VOM (50 kΩ/V).

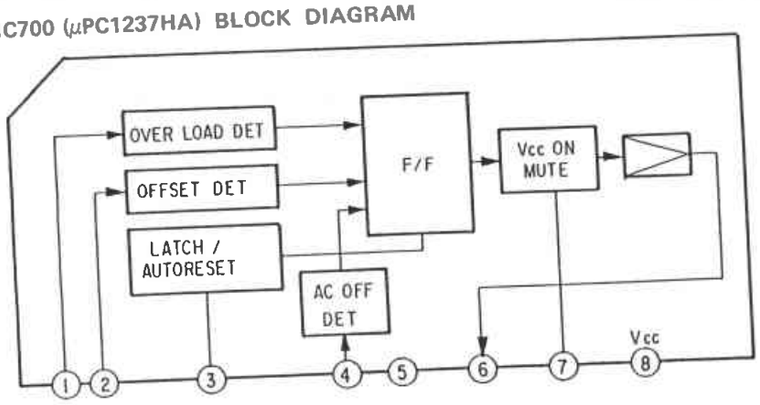
Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Switch

Ref. No.	Switch	Position
S1	POWER	OFF
S101	REC OUT SELECTOR	TAPE1 → 2
S102-1	PHONO	OFF
S102-2	TUNER	OFF
S102-3	CD	ON
S102-4	VIDEO	OFF
S102-5	TAPE 2/DAT	OFF
S102-6	TAPE 1	OFF
S103	CARTRIDGE	MM
S300-1	MUTING	OFF
S300-2	LOUDNESS	OFF
S300-3	SUBSONIC	OFF
S303	TONE	OFF
S500	SPEAKERS	OFF

- **IC700 (μPC1237HA) BLOCK DIAGRAM**



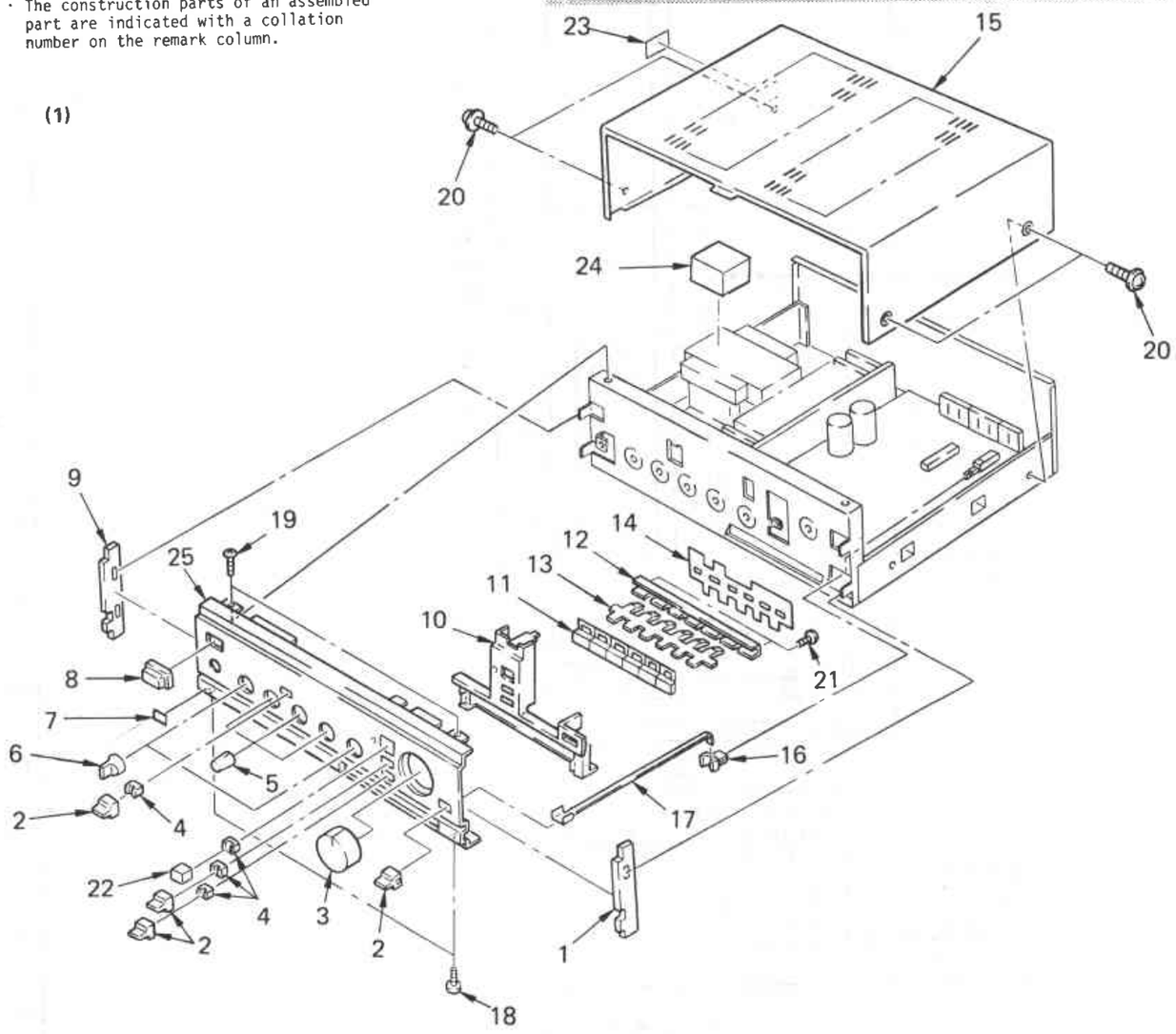
SECTION 3
EXPLODED VIEWS AND PARTS LIST

NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number on the remark column.

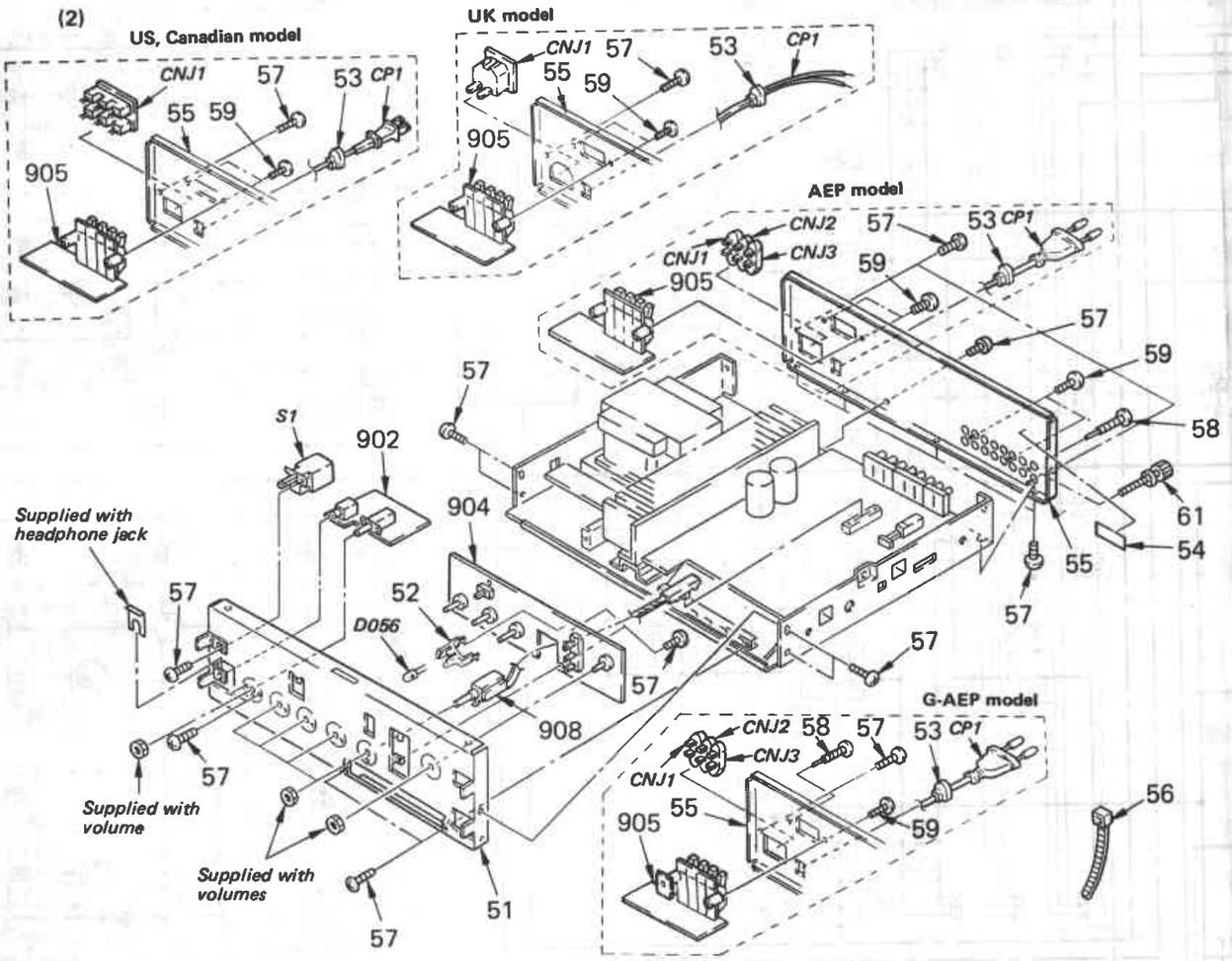
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

(1)



No.	Part No.	Description	Remarks
1	*4-911-296-01	PANEL (RIGHT), SIDE	
2	3-315-105-21	KNOB (5X16), SQUARE	
3	X-4919-703-1	KNOB (VOL) ASSY	
4	*4-864-307-00	RING	
5	4-916-746-01	KNOB (DIA.21)	
6	4-916-745-01	KNOB (DIA.21)	
7	3-703-713-41	STICKER, SONY SYMBOL (10)	
8	4-917-460-01	KNOB, POWER	
9	4-911-297-01	PANEL (LEFT), SIDE	
10	4-921-304-01	ESCUTCHEON	
11	X-4904-478-1	BUTTON ASSY	
12	*4-911-292-01	BRACKET	
13	4-911-295-01	PLATE, LIGHT GUIDE	
14	4-921-301-01	PLATE, LIGHT INTERCEPTION	
15	4-911-285-01	CASE	
16	4-866-342-00	JOINT (B), KNOB	
17	*4-911-293-01	JOINT	
18	3-703-685-21	SCREW (+BV 3X8)	
19	7-682-148-01	SCREW +BVTT 3X8 (S)	
20	4-886-821-01	SCREW, M3 CASE	
21	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
22	4-908-875-01	KNOB, SQUARE	
23	*3-703-680-00	(US).....LABEL, CAUTION, SUB, NEW UL	
24	*4-921-308-01	CUSHION	
25	X-4904-480-1	PANEL ASSY, FRONT	



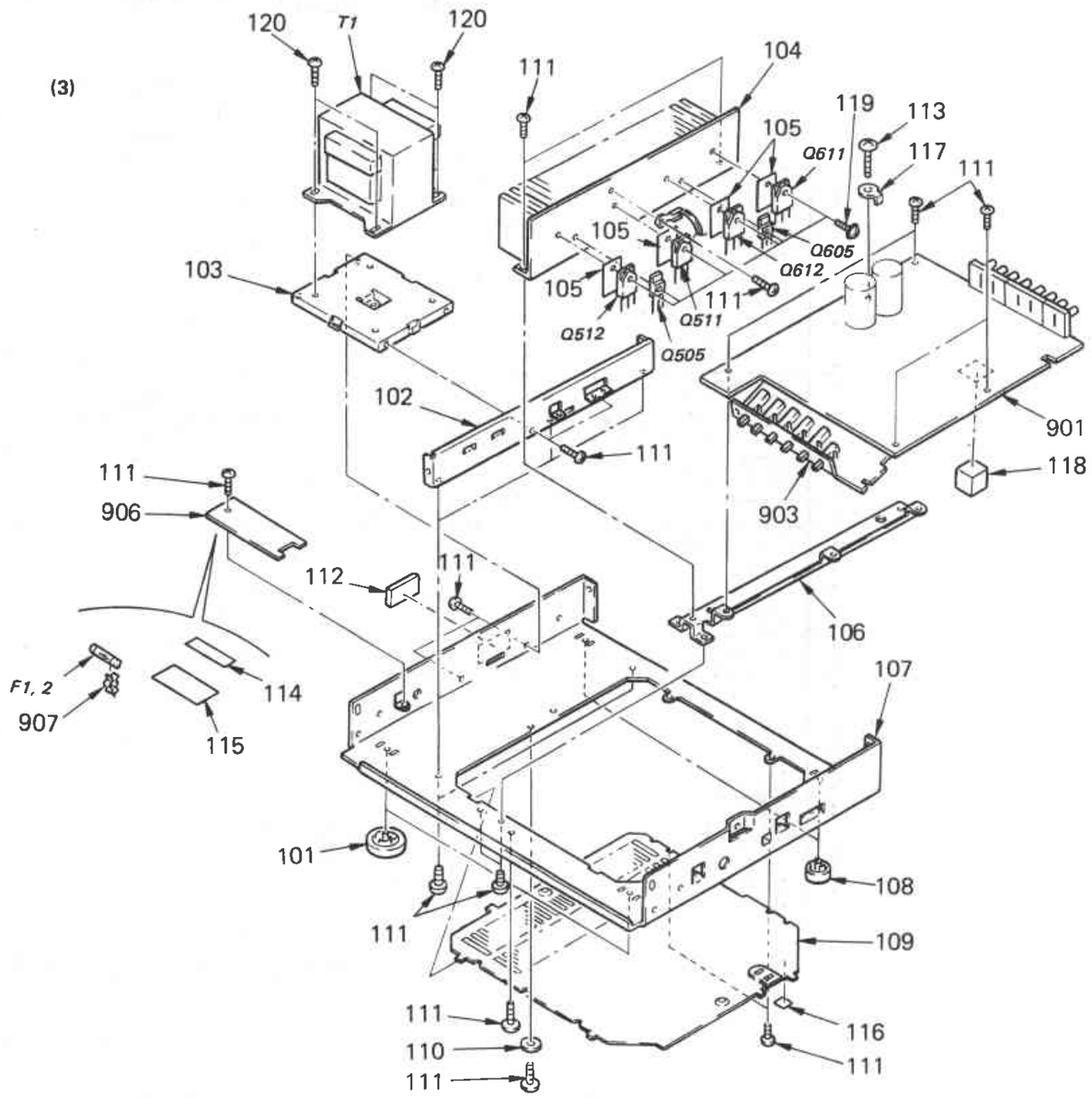
No.	Part No.	Description	Remarks
51	*4-921-306-01	CHASSIS, AMPLIFIER	
52	*4-919-716-01	HOLDER, LED	
53	*3-703-244-00	BUSHING (2104), CORD	
54	*3-701-030-00	LABEL, SERIAL NUMBER	
55	*4-911-288-01	(US).....PANEL, BACK	
	*4-911-288-11	(Canadian)...PANEL, BACK	
	*4-911-288-21	(AEP).....PANEL, BACK	
	*4-911-288-31	(AE2)..... PANEL, BACK	
	*4-911-288-41	(G-AEP).....PANEL, BACK	
	*4-911-288-51	(UK).....PANEL, BACK	
56	3-701-748-00	CLAMP	
57	7-682-148-01	SCREW +BVTT 3X8 (S)	
58	3-704-242-01	SCREW, TERMINAL, + BVTP CLAW	
59	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
61	*3-706-165-00	SCREW, FEEDER FIXED	

No.	Part No.	Description	Remarks
902	*1-623-045-11	PC BOARD, H.P	
904	*1-623-048-11	PC BOARD, TONE	
905	*1-623-049-11	PC BOARD, OUTPUT	
908	1-571-110-11	SWITCH, ROTARY SLIDE	
CNJ1	⚠1-526-751-00	(UK).....OUTLET, AC	
CNJ1	⚠1-526-794-11	(AEP,G-AEP).....OUTLET, AC	
CNJ1	⚠1-526-896-00	(US,Canadian)...OUTLET, AC	
CNJ2	⚠1-526-794-11	(AEP,G-AEP).....OUTLET, AC	
CNJ3	⚠1-526-794-11	(AEP,G-AEP).....OUTLET, AC	
CP1	⚠1-558-942-11	(US,Canadian)...CORD, POWER (POLAR.SPT-2)	
CP1	⚠1-558-944-11	(AEP,G-AEP).....CORD, POWER	
CP1	⚠1-558-946-11	(UK).....CORD, POWER	
D056	8-719-303-59	DIODE SEL1910W	
S1	⚠1-554-880-11	SWITCH, PUSH (AC POWER)(1 KEY)	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

(3)



No.	Part No.	Description	Remarks
101	X-3337-104-1	FOOT ASSY, ORNAMENTAL	
102	*4-911-238-01	FRAME	
103	*4-911-294-01	BRACKET (TRANSFORMER)	
104	*4-911-284-01	HEAT SINK	
105	4-911-232-01	SHEET, INSULATING	
106	*4-911-280-01	BRACKET (H)	
107	*4-911-244-01	CHASSIS, MAIN	
108	X-4864-303-0	FOOT ASSY	
109	*4-911-283-01	(US,AEP,G-AEP,UK)...PLATE, BOTTOM	
	4-911-283-11	(Canadian).....PLATE, BOTTOM	
110	4-890-173-00	WASHER	
111	7-682-148-01	SCREW +BVTT 3X8 (S)	
112	9-911-845-XX	SPACER	
113	3-703-685-21	SCREW (+BV 3X8)	
114	3-701-946-28	(US,Canadian)...LABEL, FUSE	
115	*3-703-044-26	(US,Canadian)...LABEL, CAUTION	

No.	Part No.	Description	Remarks
116	*3-703-680-00	(US)...LABEL, CAUTION, SUB, NEW UL	
117	4-870-539-00	PLATE, GROUND	
118	*4-921-309-01	CUSHION	
119	7-682-649-09	SCREW +PSW 3X10	
120	7-682-560-04	SCREW +BVTT 4X6 (S)	
901	*A-4388-661-A	MOUNTED PCB, MAIN	
903	*1-623-046-12	PC BOARD, FUNCTION	
906	*1-623-050-11	PC BOARD, FUSE	
907	1-533-183-11	HOLDER, FUSE	
F1	⚠1-532-237-00	(AEP,G-AEP,UK)...FUSE, TIME-LAG T3.15A	
F2	⚠1-532-286-00	(AEP,G-AEP,UK)...FUSE, TIME-LAG T2.5A	
F1	⚠1-532-748-11	(US,Canadian)....FUSE, GLASS TUBE 6.3A	
Q505	8-729-107-25	TRANSISTOR 2SD1585-L	
Q511	⚠8-729-304-32	TRANSISTOR 2SC3855	
Q512	⚠8-729-304-29	TRANSISTOR 2SA1491	
Q605	8-729-107-25	TRANSISTOR 2SD1585-L	
Q611	⚠8-729-304-32	TRANSISTOR 2SC3855	
Q612	⚠8-729-304-29	TRANSISTOR 2SA1491	
T1	⚠1-448-950-11	(US,Canadian)....TRANSFORMER, POWER	
T1	⚠1-448-951-11	(AEP,G-AEP,UK)...TRANSFORMER, POWER	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 4
ELECTRICAL PARTS LIST

NOTE:
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuitsin a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms.
- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
901	*A-4388-661-A	MOUNTED PCB, MAIN			
902	*1-623-045-11	PC BOARD, H.P			
903	*1-623-046-11	PC BOARD, FUNCTION			
904	*1-623-048-11	PC BOARD, TONE			
905	*1-623-049-11	PC BOARD, OUTPUT			
906	*1-623-050-11	PC BOARD, FUSE			
907	1-533-183-11	HOLDER, FUSE			
908	1-571-110-11	SWITCH, ROTARY SLIDE			
C1	⚠1-161-744-00	CERAMIC	0.01MF		400V
C2	⚠1-161-744-00	CERAMIC	0.01MF		400V
C050	1-124-446-11	ELECT	47MF	20%	10V
C051	1-124-445-00	ELECT	100MF	20%	16V
C052	1-124-477-11	ELECT	47MF	20%	16V
C100	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C101	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C102	1-162-284-31	(G-AEP)...CERAMIC	150PF	10%	50V
C103	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C104	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C105	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C106	1-162-284-31	CERAMIC	150PF	10%	50V
C107	1-124-927-11	ELECT	4.7MF	20%	50V
C108	1-124-477-11	ELECT	47MF	20%	16V
C109	1-136-162-00	FILM	0.056MF	5%	50V
C110	1-136-155-00	FILM	0.015MF	5%	50V
C111	1-124-927-11	ELECT	4.7MF	20%	50V
C112	1-161-375-00	CERAMIC	0.0022MF	30%	16V
C113	1-124-443-00	ELECT	100MF	20%	10V
C114	1-124-910-11	ELECT	47MF	20%	50V
C115	1-124-910-11	ELECT	47MF	20%	50V
C116	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C117	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C200	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C201	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C202	1-162-284-31	(G-AEP)...CERAMIC	150PF	10%	50V
C203	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C204	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C205	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C206	1-162-284-31	CERAMIC	150PF	10%	50V
C207	1-124-927-11	ELECT	4.7MF	20%	50V
C208	1-124-477-11	ELECT	47MF	20%	16V
C209	1-136-162-00	FILM	0.056MF	5%	50V
C210	1-136-155-00	FILM	0.015MF	5%	50V
C211	1-124-927-11	ELECT	4.7MF	20%	50V
C212	1-161-375-00	CERAMIC	0.0022MF	30%	16V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C216	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C217	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C300	1-161-270-00	CERAMIC	82PF	5%	50V
C301	1-136-159-00	FILM	0.033MF	5%	50V
C302	1-124-259-00	ELECT	4.7MF	20%	50V
C303	1-162-211-31	CERAMIC	33PF	5%	50V
C304	1-124-236-00	ELECT	47MF	20%	16V
C305	1-162-217-31	CERAMIC	56PF	5%	50V
C306	1-124-259-00	ELECT	4.7MF	20%	50V
C307	1-130-476-00	MYLAR	0.0027MF	5%	50V
C308	1-136-158-00	FILM	0.027MF	5%	50V
C309	1-130-481-00	MYLAR	0.0068MF	5%	50V
C310	1-136-163-00	FILM	0.068MF	5%	50V
C311	1-136-161-00	FILM	0.047MF	5%	50V
C312	1-124-910-11	ELECT	47MF	20%	50V
C400	1-161-270-00	CERAMIC	82PF	5%	50V
C401	1-136-159-00	FILM	0.033MF	5%	50V
C402	1-124-259-00	ELECT	4.7MF	20%	50V
C403	1-162-211-31	CERAMIC	33PF	5%	50V
C404	1-124-236-00	ELECT	47MF	20%	16V
C405	1-162-217-31	CERAMIC	56PF	5%	50V
C406	1-124-259-00	ELECT	4.7MF	20%	50V
C407	1-130-476-00	MYLAR	0.0027MF	5%	50V
C408	1-136-158-00	FILM	0.027MF	5%	50V
C409	1-130-481-00	MYLAR	0.0068MF	5%	50V
C410	1-136-163-00	FILM	0.068MF	5%	50V
C411	1-136-161-00	FILM	0.047MF	5%	50V
C412	1-124-910-11	ELECT	47MF	20%	50V
C501	1-124-927-11	ELECT	4.7MF	20%	50V
C502	1-162-292-31	CERAMIC	680PF	10%	50V
C503	1-161-959-00	CERAMIC	22PF	10%	500V
C504	1-124-446-11	ELECT	47MF	20%	10V
C505	1-161-259-00	(G-AEP)...CERAMIC	10PF	5%	50V
C505	1-162-197-31	(US,Canadian,AEP,UK) ...CERAMIC	6.8PF	10%	50V
C506	1-161-959-00	CERAMIC	22PF	10%	500V
C510	1-124-446-11	ELECT	47MF	20%	10V
C512	⚠1-124-446-11	ELECT	47MF	20%	10V
C513	1-136-153-00	FILM	0.01MF	5%	50V
C514	1-136-153-00	FILM	0.01MF	5%	50V
C515	1-136-163-00	FILM	0.068MF	5%	50V
C516	1-136-163-00	FILM	0.068MF	5%	50V
C517	1-161-265-00	(G-AEP)...CERAMIC	33PF	5%	50V
C596	1-136-153-00	(G-AEP)...FILM	0.01MF	5%	50V

TA-A400

ELECTRICAL PARTS

Ref.No.	Part No.	Description
Q101	8-729-354-52	TRANSISTOR 2SC2545
Q200	8-729-354-52	TRANSISTOR 2SC2545
Q201	8-729-354-52	TRANSISTOR 2SC2545
Q501	⚠8-729-697-92	TRANSISTOR 2SA979
Q502	⚠8-729-178-54	(US,Canadian)....TRANSISTOR 2SC2785
Q502	⚠8-729-600-27	(AEP,G-AEP,UK)...TRANSISTOR 2SC634SP
Q503	⚠8-729-178-54	(US,Canadian)....TRANSISTOR 2SC2785
Q503	8-729-600-27	(AEP,G-AEP,UK)...TRANSISTOR 2SC634SP
Q504	8-729-104-91	TRANSISTOR 2SA1383
Q505	8-729-107-25	TRANSISTOR 2SD1585-L
Q506	⚠8-729-104-38	TRANSISTOR 2SC3814
Q507	⚠8-729-178-54	(US,Canadian)....TRANSISTOR 2SC2785
Q507	⚠8-729-600-27	(AEP,G-AEP,UK)...TRANSISTOR 2SC634SP
Q508	⚠8-729-117-54	TRANSISTOR 2SA1175
Q509	⚠8-729-107-53	(US,Canadian)....TRANSISTOR 2SC2275A
Q509	⚠8-729-127-53	(AEP,G-AEP,UK)...TRANSISTOR 2SC2275

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R102	1-215-493-00	CARBON	1M	5%	1/6W
R103	1-249-413-11	(G-AEP)...CARBON	470	5%	1/6W
R104	1-215-493-00	CARBON	1M	5%	1/6W
R105	1-249-413-11	CARBON	470	5%	1/6W
R106	1-215-493-00	CARBON	1M	5%	1/6W
R107	1-249-413-11	(G-AEP)...CARBON	470	5%	1/6W
R108	1-249-417-11	(G-AEP)...CARBON	1K	5%	1/6W
R109	1-249-413-11	(G-AEP)...CARBON	470	5%	1/6W
R110	1-215-493-00	CARBON	1M	5%	1/6W
R111	1-249-413-11	(G-AEP)...CARBON	470	5%	1/6W
R112	1-249-413-11	(G-AEP)...CARBON	470	5%	1/6W
R113	1-249-417-11	(G-AEP)...CARBON	1K	5%	1/6W
R114	1-249-405-11	CARBON	100	5%	1/6W
R115	1-249-441-11	CARBON	100K	5%	1/6W
R116	1-249-405-11	CARBON	100	5%	1/6W
R117	1-249-441-11	CARBON	100K	5%	1/6W

SECTION 4
ELECTRICAL PARTS LIST

NOTE.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuitsin a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms.
- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
901	*A-4388-661-A	MOUNTED PCB, MAIN			
902	*1-623-045-11	PC BOARD, H.P			
903	*1-623-046-11	PC BOARD, FUNCTION			
904	*1-623-048-11	PC BOARD, TONE			
905	*1-623-049-11	PC BOARD, OUTPUT			
906	*1-623-050-11	PC BOARD, FUSE			
907	1-533-183-11	HOLDER, FUSE			
908	1-571-110-11	SWITCH, ROTARY SLIDE			
C1	⚠ 1-161-744-00	CERAMIC	0.01MF		400V
C2	⚠ 1-161-744-00	CERAMIC	0.01MF		400V
C050	1-124-446-11	ELECT	47MF	20%	10V
C051	1-124-445-00	ELECT	100MF	20%	16V
C052	1-124-477-11	ELECT	47MF	20%	16V
C100	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C101	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C102	1-162-284-31	(G-AEP)...CERAMIC	150PF	10%	50V
C103	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C104	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C105	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C106	1-162-284-31	CERAMIC	150PF	10%	50V
C107	1-124-927-11	ELECT	4.7MF	20%	50V
C108	1-124-477-11	ELECT	47MF	20%	16V
C109	1-136-162-00	FILM	0.056MF	5%	50V
C110	1-136-155-00	FILM	0.015MF	5%	50V
C111	1-124-927-11	ELECT	4.7MF	20%	50V
C112	1-161-375-00	CERAMIC	0.0022MF	30%	16V
C113	1-124-443-00	ELECT	100MF	20%	10V
C114	1-124-910-11	ELECT	47MF	20%	50V
C115	1-124-910-11	ELECT	47MF	20%	50V
C116	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C117	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C200	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C201	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C202	1-162-284-31	(G-AEP)...CERAMIC	150PF	10%	50V
C203	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C204	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C205	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C206	1-162-284-31	CERAMIC	150PF	10%	50V
C207	1-124-927-11	ELECT	4.7MF	20%	50V
C208	1-124-477-11	ELECT	47MF	20%	16V
C209	1-136-162-00	FILM	0.056MF	5%	50V
C210	1-136-155-00	FILM	0.015MF	5%	50V
C211	1-124-927-11	ELECT	4.7MF	20%	50V
C212	1-161-375-00	CERAMIC	0.0022MF	30%	16V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C216	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C217	1-162-286-31	(G-AEP)...CERAMIC	220PF	10%	50V
C300	1-161-270-00	CERAMIC	82PF	5%	50V
C301	1-136-159-00	FILM	0.033MF	5%	50V
C302	1-124-259-00	ELECT	4.7MF	20%	50V
C303	1-162-211-31	CERAMIC	33PF	5%	50V
C304	1-124-236-00	ELECT	47MF	20%	16V
C305	1-162-217-31	CERAMIC	56PF	5%	50V
C306	1-124-259-00	ELECT	4.7MF	20%	50V
C307	1-130-476-00	MYLAR	0.0027MF	5%	50V
C308	1-136-158-00	FILM	0.027MF	5%	50V
C309	1-130-481-00	MYLAR	0.0068MF	5%	50V
C310	1-136-163-00	FILM	0.068MF	5%	50V
C311	1-136-161-00	FILM	0.047MF	5%	50V
C312	1-124-910-11	ELECT	47MF	20%	50V
C400	1-161-270-00	CERAMIC	82PF	5%	50V
C401	1-136-159-00	FILM	0.033MF	5%	50V
C402	1-124-259-00	ELECT	4.7MF	20%	50V
C403	1-162-211-31	CERAMIC	33PF	5%	50V
C404	1-124-236-00	ELECT	47MF	20%	16V
C405	1-162-217-31	CERAMIC	56PF	5%	50V
C406	1-124-259-00	ELECT	4.7MF	20%	50V
C407	1-130-476-00	MYLAR	0.0027MF	5%	50V
C408	1-136-158-00	FILM	0.027MF	5%	50V
C409	1-130-481-00	MYLAR	0.0068MF	5%	50V
C410	1-136-163-00	FILM	0.068MF	5%	50V
C411	1-136-161-00	FILM	0.047MF	5%	50V
C412	1-124-910-11	ELECT	47MF	20%	50V
C501	1-124-927-11	ELECT	4.7MF	20%	50V
C502	1-162-292-31	CERAMIC	680PF	10%	50V
C503	1-161-959-00	CERAMIC	22PF	10%	500V
C504	1-124-446-11	ELECT	47MF	20%	10V
C505	1-161-259-00	(G-AEP)...CERAMIC	10PF	5%	50V
C505	1-162-197-31	(US,Canadian,AEP,UK) ...CERAMIC	6.8PF	10%	50V
C506	1-161-959-00	CERAMIC	22PF	10%	500V
C510	1-124-446-11	ELECT	47MF	20%	10V
C512	⚠ 1-124-446-11	ELECT	47MF	20%	10V
C513	1-136-153-00	FILM	0.01MF	5%	50V
C514	1-136-153-00	FILM	0.01MF	5%	50V
C515	1-136-163-00	FILM	0.068MF	5%	50V
C516	1-136-163-00	FILM	0.068MF	5%	50V
C517	1-161-265-00	(G-AEP)...CERAMIC	33PF	5%	50V
C596	1-136-153-00	(G-AEP)...FILM	0.01MF	5%	50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C597	1-136-153-00	(G-AEP)...FILM 0.01MF 5% 50V
C598	1-136-153-00	(G-AEP)...FILM 0.01MF 5% 50V
C599	1-136-153-00	(G-AEP)...FILM 0.01MF 5% 50V
C601	1-124-927-11	ELECT 4.7MF 20% 50V
C602	1-162-292-31	CERAMIC 680PF 10% 50V
C603	1-161-959-00	CERAMIC 22PF 10% 500V
C604	1-124-446-11	ELECT 47MF 20% 10V
C605	1-161-259-00	(G-AEP)...CERAMIC 10PF 5% 50V
C605	1-162-197-31	(US,Canadian,AEP,UK) ...CERAMIC 6.8PF 10% 50V
C606	1-161-959-00	CERAMIC 22PF 10% 500V
C610	1-124-446-11	ELECT 47MF 20% 10V
C612	⚠1-124-446-11	ELECT 47MF 20% 10V
C613	1-136-153-00	FILM 0.01MF 5% 50V
C614	1-136-153-00	FILM 0.01MF 5% 50V
C615	1-136-163-00	FILM 0.068MF 5% 50V
C616	1-136-163-00	FILM 0.068MF 5% 50V
C617	1-161-265-00	(G-AEP)...CERAMIC 33PF 5% 50V
C696	1-136-153-00	(G-AEP)...FILM 0.01MF 5% 50V
C697	1-136-153-00	(G-AEP)...FILM 0.01MF 5% 50V
C698	1-136-153-00	(G-AEP)...FILM 0.01MF 5% 50V
C699	1-136-153-00	(G-AEP)...FILM 0.01MF 5% 50V
C700	1-124-446-11	ELECT 47MF 20% 10V
C701	1-124-444-00	ELECT 220MF 20% 6.3V
C702	1-124-468-11	ELECT 100MF 20% 6.3V
C703	1-124-446-11	ELECT 47MF 20% 10V
C800	1-124-122-11	ELECT 100MF 20% 50V
C801	1-124-122-11	ELECT 100MF 20% 50V
C802	1-124-910-11	ELECT 47MF 20% 50V
C803	1-126-104-11	(AEP,G-AEP,UK) ...ELECT 470MF 20% 35V
C803	1-124-913-11	(US,Canadian) ...ELECT 470MF 20% 50V
C804	1-126-104-11	(AEP,G-AEP,UK) ...ELECT 470MF 20% 35V
C804	1-124-913-11	(US,Canadian) ...ELECT 470MF 20% 50V
C806	⚠1-125-479-11	ELECT(BLOCK) 10000MF 20% 63V
C807	⚠1-125-479-11	ELECT(BLOCK) 10000MF 20% 63V
C808	1-102-355-00	CERAMIC 0.01MF 250V
C809	1-124-910-11	ELECT 47MF 20% 50V
C901	1-161-494-00	(G-AEP)...CERAMIC 0.022MF 30% 25V
C902	1-161-494-00	(G-AEP)...CERAMIC 0.022MF 30% 25V
C903	1-161-494-00	(G-AEP)...CERAMIC 0.022MF 30% 25V
C904	1-161-494-01	(G-AEP)...CERAMIC 0.022MF 30% 25V
C905	1-161-494-00	(G-AEP)...CERAMIC 0.022MF 30% 25V
C906	1-101-005-00	(G-AEP)...CERAMIC 0.022MF Z% 50V
C907	1-101-005-00	(G-AEP)...CERAMIC 0.022MF Z% 50V
CN301	*1-566-451-11	HOUSING, CONNECTOR 3P
CN302	*1-566-452-11	HOUSING, CONNECTOR 7P
CN303	*1-566-452-11	HOUSING, CONNECTOR 7P
CN304	*1-566-451-11	HOUSING, CONNECTOR 3P
CNB1	*1-535-140-00	(AEP,G-AEP,UK) ...BASE POST 22MM (10MM PITCH) 3P
CNB1	*1-535-139-00	(US,Canadian) ...BASE POST 22MM (10MM PITCH) 2P
CNB2	*1-535-141-00	BASE POST 22MM (10MM PITCH) 4P
CNB3	*1-535-116-00	TERMINAL
CNB4	*1-535-117-00	TERMINAL

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
CNB5	*1-535-115-00	TERMINAL
CNB6	*1-535-115-00	TERMINAL
CNB7	*1-535-115-00	TERMINAL
CNB8	*1-535-117-00	TERMINAL
CNB9	*1-535-117-00	TERMINAL
CNB10	*1-535-118-00	TERMINAL
CNB11	*1-535-118-00	TERMINAL
CNJ1	⚠1-526-751-00	(UK).....OUTLET, AC
CNJ1	⚠1-526-794-11	(AEP,G-AEP).....OUTLET, AC
CNJ1	⚠1-526-896-00	(US,Canadian)...OUTLET, AC
CNJ2	⚠1-526-794-11	(AEP,G-AEP).....OUTLET, AC
CNJ3	⚠1-526-794-11	(AEP,G-AEP).....OUTLET, AC
CP1	⚠1-558-942-11	(US,Canadian)..CORD, POWER(POLAR.SPT-2)
CP1	⚠1-558-944-11	(AEP,G-AEP)....CORD, POWER
CP1	⚠1-558-946-11	(UK).....CORD, POWER
D050	8-719-303-64	DIODE SEL4510C-C
D051	8-719-303-64	DIODE SEL4510C-C
D052	8-719-303-64	DIODE SEL4510C-C
D053	8-719-303-64	DIODE SEL4510C-C
D054	8-719-303-64	DIODE SEL4510C-C
D055	8-719-303-64	DIODE SEL4510C-C
D056	8-719-303-59	DIODE SEL1910W
D057	8-719-200-77	DIODE 10E2N
D201	8-719-910-75	DIODE HZ7B2L
D501	8-719-940-76	DIODE 1SS132
D502	⚠8-719-910-62	DIODE HZ6A2L
D503	8-719-940-76	DIODE 1SS132
D504	8-719-940-76	DIODE 1SS132
D601	8-719-940-76	DIODE 1SS132
D602	⚠8-719-910-62	DIODE HZ6A2L
D603	8-719-940-76	DIODE 1SS132
D604	8-719-940-76	DIODE 1SS132
D700	8-719-940-76	DIODE 1SS132
D701	8-719-200-77	DIODE 10E2N
D702	8-719-940-76	DIODE 1SS132
D703	8-719-940-76	DIODE 1SS132
D800	8-719-910-52	DIODE HZ15-2L
D802	8-719-200-80	DIODE D300
D803	8-719-200-80	DIODE D300
D804	8-719-910-52	DIODE HZ15-2L
F1	⚠1-532-748-11	(US,Canadian)....FUSE, GLASS TUBE 6.3A
F1	⚠1-532-237-00	(AEP,G-AEP,UK)...FUSE, TIME-LAG T3.15A
F2	⚠1-532-286-00	(AEP,G-AEP,UK)...FUSE, TIME-LAG T2.5A
IC100	8-759-923-90	IC BA4560
IC300	8-759-600-02	IC M5218L
IC700	8-759-101-23	IC UPC1237HA
J100	1-507-911-11	JACK, PIN 6P
J101	1-507-911-11	JACK, PIN 6P
J102	1-507-788-00	JACK, PIN 4P
J500	1-507-855-00	JACK, LARGE TYPE (HEADPHONES)
L100	1-413-101-00	(G-AEP)...COIL, INPUT 220M
L101	1-413-101-00	(G-AEP)...COIL, INPUT 220M
L200	1-413-101-00	(G-AEP)...COIL, INPUT 220M
L201	1-413-101-00	(G-AEP)...COIL, INPUT 220M
L500	*1-420-872-00	COIL, AIR CORE
L600	*1-420-872-00	COIL, AIR CORE
Q050	8-729-600-27	TRANSISTOR 2SC634SP
Q051	8-729-117-54	TRANSISTOR 2SA1175
Q100	8-729-354-52	TRANSISTOR 2SC2545

TA-A400

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R230	1-215-493-00	CARBON	1M	5%	1/6W
R231	1-215-493-00	CARBON	1M	5%	1/6W
R300	1-247-725-11	CARBON	10K	5%	1/4W
R301	1-249-468-11	CARBON	82K	5%	1/4W
R302	1-246-529-00	CARBON	220K	5%	1/4W
R303	1-246-545-00	CARBON	1M	5%	1/4W
R304	1-249-460-11	CARBON	15K	5%	1/4W
R305	1-247-713-11	CARBON	1K	5%	1/4W
R306	1-246-529-00	CARBON	220K	5%	1/4W
R307	1-249-459-11	CARBON	12K	5%	1/4W
R308	1-246-529-00	CARBON	220K	5%	1/4W
R309	1-247-725-11	CARBON	10K	5%	1/4W
R310	1-249-552-91	CARBON	1K		1/4W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R508	1-247-718-11	(AEP,G-AEP,UK)..CARBON	2.7K	5%	1/4W
R508	1-247-716-11	(US,Canadian)...CARBON	1.8K	5%	1/4W
R509	⚠1-247-692-11	CARBON	22	5%	1/4W F
R510	1-247-725-11	CARBON	10K	5%	1/4W
R511	1-247-726-11	CARBON	33K	5%	1/4W
R512	1-249-462-11	CARBON	22K	5%	1/4W
R513	1-249-460-11	CARBON	15K		1/4W
R514	1-247-719-11	CARBON	3.3K	5%	1/4W
R515	1-247-713-11	CARBON	1K	5%	1/4W
R516	⚠1-247-692-11	CARBON	22	5%	1/4W F
R517	⚠1-247-700-11	CARBON	100	5%	1/4W F
R518	⚠1-247-700-11	CARBON	100	5%	1/4W F
R519	⚠1-247-719-11	CARBON	3.3K	5%	1/4W F

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C597	1-136-153-00	(G-AEP)...FILM 0.01MF 5% 50V
C598	1-136-153-00	(G-AEP)...FILM 0.01MF 5% 50V
C599	1-136-153-00	(G-AEP)...FILM 0.01MF 5% 50V
C601	1-124-927-11	ELECT 4.7MF 20% 50V
C602	1-162-292-31	CERAMIC 680PF 10% 50V
C603	1-161-959-00	CERAMIC 22PF 10% 500V
C604	1-124-446-11	ELECT 47MF 20% 10V
C605	1-161-259-00	(G-AEP)...CERAMIC 10PF 5% 50V
C605	1-162-197-31	(US,Canadian,AEP,UK) ...CERAMIC 6.8PF 10% 50V
C606	1-161-959-00	CERAMIC 22PF 10% 500V
C610	1-124-446-11	ELECT 47MF 20% 10V
C612	⚠1-124-446-11	ELECT 47MF 20% 10V
C613	1-136-153-00	FILM 0.01MF 5% 50V
C614	1-136-153-00	FILM 0.01MF 5% 50V
C615	1-136-163-00	FILM 0.068MF 5% 50V
C616	1-136-163-00	FILM 0.068MF 5% 50V
C617	1-161-265-00	(G-AEP)...CERAMIC 33PF 5% 50V
C696	1-136-153-00	(G-AEP)...FILM 0.01MF 5% 50V
C697	1-136-153-00	(G-AEP)...FILM 0.01MF 5% 50V
C698	1-136-153-00	(G-AEP)...FILM 0.01MF 5% 50V
C699	1-136-153-00	(G-AEP)...FILM 0.01MF 5% 50V
C700	1-124-446-11	ELECT 47MF 20% 10V
C701	1-124-444-00	ELECT 220MF 20% 6.3V
C702	1-124-468-11	ELECT 100MF 20% 6.3V
C703	1-124-446-11	ELECT 47MF 20% 10V
C800	1-124-122-11	ELECT 100MF 20% 50V
C801	1-124-122-11	ELECT 100MF 20% 50V
C802	1-124-910-11	ELECT 47MF 20% 50V
C803	1-126-104-11	(AEP,G-AEP,UK) ...ELECT 470MF 20% 35V
C803	1-124-913-11	(US,Canadian) ...ELECT 470MF 20% 50V
C804	1-126-104-11	(AEP,G-AEP,UK) ...ELECT 470MF 20% 35V
C804	1-124-913-11	(US,Canadian) ...ELECT 470MF 20% 50V
C806	⚠1-125-479-11	ELECT(BLOCK) 10000MF 20% 63V
C807	⚠1-125-479-11	ELECT(BLOCK) 10000MF 20% 63V
C808	1-102-355-00	CERAMIC 0.01MF 250V
C809	1-124-910-11	ELECT 47MF 20% 50V
C901	1-161-494-00	(G-AEP)...CERAMIC 0.022MF 30% 25V
C902	1-161-494-00	(G-AEP)...CERAMIC 0.022MF 30% 25V
C903	1-161-494-00	(G-AEP)...CERAMIC 0.022MF 30% 25V
C904	1-161-494-01	(G-AEP)...CERAMIC 0.022MF 30% 25V
C905	1-161-494-00	(G-AEP)...CERAMIC 0.022MF 30% 25V
C906	1-101-005-00	(G-AEP)...CERAMIC 0.022MF Z% 50V
C907	1-101-005-00	(G-AEP)...CERAMIC 0.022MF Z% 50V
CN301	*1-566-451-11	HOUSING, CONNECTOR 3P
CN302	*1-566-452-11	HOUSING, CONNECTOR 7P
CN303	*1-566-452-11	HOUSING, CONNECTOR 7P
CN304	*1-566-451-11	HOUSING, CONNECTOR 3P
CNB1	*1-535-140-00	(AEP,G-AEP,UK) ...BASE POST 22MM (10MM PITCH) 3P
CNB1	*1-535-139-00	(US,Canadian) ...BASE POST 22MM (10MM PITCH) 2P
CNB2	*1-535-141-00	BASE POST 22MM (10MM PITCH) 4P
CNB3	*1-535-116-00	TERMINAL
CNB4	*1-535-117-00	TERMINAL

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ELECTRICAL PARTS

Ref.No.	Part No.	Description
CNB5	*1-535-115-00	TERMINAL
CNB6	*1-535-115-00	TERMINAL
CNB7	*1-535-115-00	TERMINAL
CNB8	*1-535-117-00	TERMINAL
CNB9	*1-535-117-00	TERMINAL
CNB10	*1-535-118-00	TERMINAL
CNB11	*1-535-118-00	TERMINAL
CNJ1	⚠1-526-751-00	(UK).....OUTLET, AC
CNJ1	⚠1-526-794-11	(AEP,G-AEP).....OUTLET, AC
CNJ1	⚠1-526-896-00	(US,Canadian)...OUTLET, AC
CNJ2	⚠1-526-794-11	(AEP,G-AEP).....OUTLET, AC
CNJ3	⚠1-526-794-11	(AEP,G-AEP).....OUTLET, AC
CP1	⚠1-558-942-11	(US,Canadian)..CORD, POWER(POLAR.SPT-2)
CP1	⚠1-558-944-11	(AEP,G-AEP)....CORD, POWER
CP1	⚠1-558-946-11	(UK).....CORD, POWER
D050	8-719-303-64	DIODE SEL4510C-C
D051	8-719-303-64	DIODE SEL4510C-C
D052	8-719-303-64	DIODE SEL4510C-C
D053	8-719-303-64	DIODE SEL4510C-C
D054	8-719-303-64	DIODE SEL4510C-C
D055	8-719-303-64	DIODE SEL4510C-C
D056	8-719-303-59	DIODE SEL1910W
D057	8-719-200-77	DIODE 10E2N
D201	8-719-910-75	DIODE HZ7B2L
D501	8-719-940-76	DIODE 1SS132
D502	⚠8-719-910-62	DIODE HZ6A2L
D503	8-719-940-76	DIODE 1SS132
D504	8-719-940-76	DIODE 1SS132
D601	8-719-940-76	DIODE 1SS132
D602	⚠8-719-910-62	DIODE HZ6A2L
D603	8-719-940-76	DIODE 1SS132
D604	8-719-940-76	DIODE 1SS132
D700	8-719-940-76	DIODE 1SS132
D701	8-719-200-77	DIODE 10E2N
D702	8-719-940-76	DIODE 1SS132
D703	8-719-940-76	DIODE 1SS132
D800	8-719-910-52	DIODE HZ15-2L
D802	8-719-200-80	DIODE D300
D803	8-719-200-80	DIODE D300
D804	8-719-910-52	DIODE HZ15-2L
F1	⚠1-532-748-11	(US,Canadian)....FUSE, GLASS TUBE 6.3A
F1	⚠1-532-237-00	(AEP,G-AEP,UK)...FUSE, TIME-LAG T3.15A
F2	⚠1-532-286-00	(AEP,G-AEP,UK)...FUSE, TIME-LAG T2.5A
IC100	8-759-923-90	IC BA4560
IC300	8-759-600-02	IC M5218L
IC700	8-759-101-23	IC UPC1237HA
J100	1-507-911-11	JACK, PIN 6P
J101	1-507-911-11	JACK, PIN 6P
J102	1-507-788-00	JACK, PIN 4P
J500	1-507-855-00	JACK, LARGE TYPE (HEADPHONES)
L100	1-413-101-00	(G-AEP)...COIL, INPUT 220M
L101	1-413-101-00	(G-AEP)...COIL, INPUT 220M
L200	1-413-101-00	(G-AEP)...COIL, INPUT 220M
L201	1-413-101-00	(G-AEP)...COIL, INPUT 220M
L500	*1-420-872-00	COIL, AIR CORE
L600	*1-420-872-00	COIL, AIR CORE
Q050	8-729-600-27	TRANSISTOR 2SC634SP
Q051	8-729-117-54	TRANSISTOR 2SA1175
Q100	8-729-354-52	TRANSISTOR 2SC2545

ELECTRICAL PARTS

Ref.No.	Part No.	Description
Q101	8-729-354-52	TRANSISTOR 2SC2545
Q200	8-729-354-52	TRANSISTOR 2SC2545
Q201	8-729-354-52	TRANSISTOR 2SC2545
Q501 ⚠	8-729-697-92	TRANSISTOR 2SA979
Q502 ⚠	8-729-178-54	(US,Canadian)....TRANSISTOR 2SC2785
Q502 ⚠	8-729-600-27	(AEP,G-AEP,UK)...TRANSISTOR 2SC634SP
Q503 ⚠	8-729-178-54	(US,Canadian)....TRANSISTOR 2SC2785
Q503	8-729-600-27	(AEP,G-AEP,UK)...TRANSISTOR 2SC634SP
Q504	8-729-104-91	TRANSISTOR 2SA1383
Q505	8-729-107-25	TRANSISTOR 2SD1585-L
Q506 ⚠	8-729-104-18	TRANSISTOR 2SC3514
Q507 ⚠	8-729-178-54	(US,Canadian)....TRANSISTOR 2SC2785
Q507 ⚠	8-729-600-27	(AEP,G-AEP,UK)...TRANSISTOR 2SC634SP
Q508 ⚠	8-729-117-54	TRANSISTOR 2SA1175
Q509 ⚠	8-729-107-53	(US,Canadian)....TRANSISTOR 2SC2275A
Q509 ⚠	8-729-127-53	(AEP,G-AEP,UK)...TRANSISTOR 2SC2275
Q510 ⚠	8-729-118-52	(AEP,G-AEP,UK)...TRANSISTOR 2SA985
Q510 ⚠	8-729-190-53	(US,Canadian)....TRANSISTOR 2SA985A
Q511 ⚠	8-729-304-32	TRANSISTOR 2SC3855
Q512 ⚠	8-729-304-29	TRANSISTOR 2SA1491
Q513 ⚠	8-729-108-14	TRANSISTOR 2SA988
Q514	8-729-108-05	TRANSISTOR 2SC1841-PA
Q601 ⚠	8-729-697-92	TRANSISTOR 2SA979
Q602 ⚠	8-729-178-54	(US,Canadian)....TRANSISTOR 2SC2785
Q602 ⚠	8-729-600-27	(AEP,G-AEP,UK)...TRANSISTOR 2SC634SP
Q603	8-729-178-54	(US,Canadian)....TRANSISTOR 2SC2785
Q603 ⚠	8-729-600-27	(AEP,G-AEP,UK)...TRANSISTOR 2SC634SP
Q604	8-729-104-91	TRANSISTOR 2SA1383
Q605	8-729-107-25	TRANSISTOR 2SD1585-L
Q606 ⚠	8-729-104-18	TRANSISTOR 2SC3514
Q607 ⚠	8-729-178-54	(US,Canadian)....TRANSISTOR 2SC2785
Q607 ⚠	8-729-600-27	(AEP,G-AEP,UK)...TRANSISTOR 2SC634SP
Q608 ⚠	8-729-117-54	TRANSISTOR 2SA1175
Q609 ⚠	8-729-107-53	(US,Canadian)....TRANSISTOR 2SC2275A
Q609 ⚠	8-729-127-53	(AEP,G-AEP,UK)...TRANSISTOR 2SC2275
Q610 ⚠	8-729-118-52	(AEP,G-AEP,UK)...TRANSISTOR 2SA985
Q610 ⚠	8-729-190-53	(US,Canadian)....TRANSISTOR 2SA985A
Q611 ⚠	8-729-304-32	TRANSISTOR 2SC3855
Q612 ⚠	8-729-304-29	TRANSISTOR 2SA1491
Q613 ⚠	8-729-108-14	TRANSISTOR 2SA988
Q614	8-729-108-05	TRANSISTOR 2SC1841-PA
Q700	8-729-806-16	TRANSISTOR 2SA1346
Q800	8-729-107-25	TRANSISTOR 2SD1585-L
Q801	8-729-202-67	TRANSISTOR 2SK246GR3
Q803	8-729-202-67	TRANSISTOR 2SK246GR3
Q804	8-729-111-67	TRANSISTOR 2SB1094-L
R051	1-247-750-11	CARBON 680 5% 1/2W
R052	1-247-701-11	CARBON 120 5% 1/4W
R053	1-247-750-11	CARBON 680 5% 1/2W
R054	1-247-713-11	CARBON 1K 5% 1/4W
R055	1-247-725-11	CARBON 10K 5% 1/4W
R057	1-247-713-11	CARBON 1K 5% 1/4W
R058	1-247-708-11	CARBON 470 5% 1/4W
R100	1-215-493-00	CARBON 1M 5% 1/6W
R101	1-249-413-11	CARBON 470 5% 1/6W

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ELECTRICAL PARTS

Ref.No.	Part No.	Description
R102	1-215-493-00	CARBON 1M 5% 1/6W
R103	1-249-413-11	(G-AEP)...CARBON 470 5% 1/6W
R104	1-215-493-00	CARBON 1M 5% 1/6W
R105	1-249-413-11	CARBON 470 5% 1/6W
R106	1-215-493-00	CARBON 1M 5% 1/6W
R107	1-249-413-11	(G-AEP)...CARBON 470 5% 1/6W
R108	1-249-417-11	(G-AEP)...CARBON 1K 5% 1/6W
R109	1-249-413-11	(G-AEP)...CARBON 470 5% 1/6W
R110	1-215-493-00	CARBON 1M 5% 1/6W
R111	1-249-413-11	(G-AEP)...CARBON 470 5% 1/6W
R112	1-249-413-11	(G-AEP)...CARBON 470 5% 1/6W
R113	1-249-417-11	(G-AEP)...CARBON 1K 5% 1/6W
R114	1-249-405-11	CARBON 100 5% 1/6W
R115	1-249-441-11	CARBON 100K 5% 1/6W
R116	1-249-405-11	CARBON 100 5% 1/6W
R117	1-249-441-11	CARBON 100K 5% 1/6W
R118	1-249-429-11	CARBON 10K 5% 1/6W
R119	1-249-392-11	CARBON 8.2 5% 1/6W
R120	1-249-404-00	CARBON 82 5% 1/6W
R121	1-249-438-11	CARBON 56K 5% 1/6W
R122	1-249-425-11	CARBON 4.7K 5% 1/6W
R124	1-249-409-11	CARBON 220 5% 1/6W
R125	1-249-421-11	CARBON 2.2K 5% 1/6W
R126	1-249-417-11	CARBON 1K 5% 1/6W
R127	1-249-417-11	CARBON 1K 5% 1/6W
R128	1-249-407-11	CARBON 150 5% 1/6W
R129	1-215-493-00	CARBON 1M 5% 1/6W
R130	1-215-493-00	CARBON 1M 5% 1/6W
R131	1-215-493-00	CARBON 1M 5% 1/6W
R200	1-215-493-00	CARBON 1M 5% 1/6W
R201	1-249-413-11	CARBON 470 5% 1/6W
R202	1-215-493-00	CARBON 1M 5% 1/6W
R203	1-249-417-11	(G-AEP)...CARBON 1K 5% 1/6W
R204	1-215-493-00	CARBON 1M 5% 1/6W
R205	1-249-413-11	CARBON 470 5% 1/6W
R206	1-215-493-00	CARBON 1M 5% 1/6W
R207	1-249-417-11	(G-AEP)...CARBON 1K 5% 1/6W
R208	1-249-417-11	(G-AEP)...CARBON 1K 5% 1/6W
R209	1-249-417-11	(G-AEP)...CARBON 1K 5% 1/6W
R210	1-215-493-00	CARBON 1M 5% 1/6W
R211	1-249-417-11	(G-AEP)...CARBON 1K 5% 1/6W
R212	1-249-417-11	(G-AEP)...CARBON 1K 5% 1/6W
R213	1-249-417-11	(G-AEP)...CARBON 1K 5% 1/6W
R214	1-249-405-11	CARBON 100 5% 1/6W
R215	1-249-441-11	CARBON 100K 5% 1/6W
R216	1-249-405-11	CARBON 100 5% 1/6W
R217	1-249-441-11	CARBON 100K 5% 1/6W
R218	1-249-429-11	CARBON 10K 5% 1/6W
R219	1-249-392-11	CARBON 8.2 5% 1/6W
R220	1-249-404-00	CARBON 82 5% 1/6W
R221	1-249-438-11	CARBON 56K 5% 1/6W
R222	1-249-425-11	CARBON 4.7K 5% 1/6W
R224	1-249-409-11	CARBON 220 5% 1/6W
R226	1-249-417-11	CARBON 1K 5% 1/6W
R227	1-249-417-11	CARBON 1K 5% 1/6W
R228	1-249-407-11	CARBON 150 5% 1/6W
R229	1-215-493-00	CARBON 1M 5% 1/6W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R230	1-215-493-00	CARBON	1M	5%	1/6W
R231	1-215-493-00	CARBON	1M	5%	1/6W
R300	1-247-725-11	CARBON	10K	5%	1/4W
R301	1-249-468-11	CARBON	82K	5%	1/4W
R302	1-246-529-00	CARBON	220K	5%	1/4W
R303	1-246-545-00	CARBON	1M	5%	1/4W
R304	1-249-460-11	CARBON	15K	5%	1/4W
R305	1-247-713-11	CARBON	1K	5%	1/4W
R306	1-246-529-00	CARBON	220K	5%	1/4W
R307	1-249-459-11	CARBON	12K	5%	1/4W
R308	1-246-529-00	CARBON	220K	5%	1/4W
R309	1-247-725-11	CARBON	10K	5%	1/4W
R310	1-249-552-91	CARBON	1K		1/4W
R311	1-247-722-11	CARBON	5.6K	5%	1/4W
R312	1-247-710-11	CARBON	560	5%	1/4W
R313	1-249-463-11	CARBON	27K	5%	1/4W
R314	1-247-718-11	CARBON	2.7K		1/4W
R315	1-246-545-00	CARBON	1M	5%	1/4W
R316	1-247-706-11	CARBON	330	5%	1/4W
R400	1-247-725-11	CARBON	10K	5%	1/4W
R401	1-249-468-11	CARBON	82K	5%	1/4W
R402	1-246-529-00	CARBON	220K	5%	1/4W
R403	1-246-545-00	CARBON	1M	5%	1/4W
R404	1-249-460-11	CARBON	15K	5%	1/4W
R405	1-247-713-11	CARBON	1K	5%	1/4W
R406	1-246-529-00	CARBON	220K	5%	1/4W
R407	1-249-459-11	CARBON	12K	5%	1/4W
R408	1-246-529-00	CARBON	220K	5%	1/4W
R409	1-247-725-11	CARBON	10K	5%	1/4W
R410	1-249-552-91	CARBON	1K		1/4W
R411	1-247-722-11	CARBON	5.6K	5%	1/4W
R412	1-247-710-11	CARBON	560	5%	1/4W
R413	1-249-463-11	CARBON	27K	5%	1/4W
R414	1-247-718-11	CARBON	2.7K		1/4W
R415	1-246-545-00	CARBON	1M	5%	1/4W
R416	1-247-706-11	CARBON	330	5%	1/4W
R501	1-249-552-91	CARBON	1K		1/4W
R502	1-249-497-11	CARBON	33K		1/4W
R503	1-247-717-11	CARBON	2.2K	5%	1/4W
R504	1-247-710-11	(G-AEP)...CARBON	560	5%	1/4W
R504	1-247-706-11	(US,Canadian,AEP,UK) ....CARBON	330	5%	1/4W
R505 ⚠	1-247-704-11	CARBON	220	5%	1/4W F
R506 ⚠	1-247-704-11	CARBON	220	5%	1/4W F
R507	1-249-497-11	CARBON	33K		1/4W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R508	1-247-718-11	(AEP,G-AEP,UK)..CARBON	2.7K	5%	1/4W
R508	1-247-716-11	(US,Canadian)...CARBON	1.8K	5%	1/4W
R509 ⚠	1-247-692-11	CARBON	22	5%	1/4W F
R510	1-247-725-11	CARBON	10K	5%	1/4W
R511	1-247-726-11	CARBON	33K	5%	1/4W
R512	1-249-462-11	CARBON	22K	5%	1/4W
R513	1-249-460-11	CARBON	15K		1/4W
R514	1-247-719-11	CARBON	3.3K	5%	1/4W
R515	1-247-713-11	CARBON	1K	5%	1/4W
R516 ⚠	1-247-692-11	CARBON	22	5%	1/4W F
R517 ⚠	1-247-700-11	CARBON	100	5%	1/4W F
R518 ⚠	1-247-700-11	CARBON	100	5%	1/4W F
R519 ⚠	1-247-719-11	CARBON	3.3K	5%	1/4W F
R520 ⚠	1-247-713-11	CARBON	1K	5%	1/4W F
R521 ⚠	1-247-713-11	CARBON	1K	5%	1/4W F
R522 ⚠	1-247-717-11	(US,Canadian) ...CARBON	2.2K	5%	1/4W F
R522 ⚠	1-247-718-11	(AEP,G-AEP,UK)...CARBON	2.7K	5%	1/4W F
R523	1-249-455-11	(US)...CARBON	4.7	5%	1/4W F
R524 ⚠	1-247-745-11	(US)...CARBON	330	5%	1/2W F
R525	1-249-455-11	(US)...CARBON	4.7	5%	1/4W F
R526	1-214-789-00	RES, METAL PLATE	0.1		
R527	1-214-789-00	RES, METAL PLATE	0.1		
R530	1-247-700-11	CARBON	100	5%	1/4W F
R531	1-249-460-11	(US,Canadian)....CARBON	15K	5%	1/4W
R531	1-247-721-11	(AEP,G-AEP,UK)...CARBON	4.7K	5%	1/4W
R532	1-247-727-11	CARBON	10	5%	1/2W
R533	1-249-465-11	CARBON	47K	5%	1/4W
R534	1-247-727-11	CARBON	10	5%	1/2W
R535	1-247-713-11	(G-AEP)...CARBON	1K		1/4W
R597 ⚠	1-215-890-11	(AEP,G-AEP,UK)...METAL OXIDE	470	5%	2W F
R597 ⚠	1-216-456-00	(US,Canadian)....METAL OXIDE	820	5%	2W F
R598	1-247-727-11	(G-AEP)...CARBON	10	5%	1/2W
R599	1-247-727-11	(G-AEP)...CARBON	10	5%	1/2W
R601	1-249-552-91	CARBON	1K		1/4W
R602	1-249-497-11	CARBON	33K		1/4W
R603	1-247-717-11	CARBON	2.2K	5%	1/4W
R604	1-247-710-11	(G-AEP).....CARBON	560	5%	1/4W
R604	1-247-706-11	(US,Canadian)...CARBON	330	5%	1/4W
R605 ⚠	1-247-704-11	CARBON	220	5%	1/4W F
R606 ⚠	1-247-704-11	CARBON	220	5%	1/4W F
R607	1-249-497-11	CARBON	33K		1/4W
R608	1-247-718-11	(AEP,G-AEP,UK)...CARBON	2.7K	5%	1/4W
R608	1-247-716-11	(US,Canadian)....CARBON	1.8K	5%	1/4W

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ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R610	1-247-725-11	CARBON	10K	5%	1/4W
R611	1-247-726-11	CARBON	33K	5%	1/4W
R612	1-249-462-11	CARBON	22K	5%	1/4W
R613	1-249-460-11	CARBON	15K		1/4W
R614	1-247-719-11	CARBON	3.3K	5%	1/4W
R615	1-247-713-11	CARBON	1K	5%	1/4W
R616	⚠1-247-692-11	CARBON	22	5%	1/4W F
R617	⚠1-247-700-11	CARBON	100	5%	1/4W F
R618	⚠1-247-700-11	CARBON	100	5%	1/4W F
R619	⚠1-247-719-11	CARBON	3.3K	5%	1/4W F
R620	⚠1-247-713-11	CARBON	1K	5%	1/4W F
R621	⚠1-247-713-11	CARBON	1K	5%	1/4W F
R622	⚠1-247-717-11	(US,Canadian)...CARBON	2.2K	5%	1/4W F
R622	⚠1-247-718-11	(AEP,G-AEP,UK)..CARBON	2.7K	5%	1/4W F
R623	1-249-455-11	CARBON	4.7	5%	1/4W F
R624	⚠1-247-745-11	CARBON	330	5%	1/2W F
R625	1-249-455-11	CARBON	4.7	5%	1/4W F
R626	1-214-789-00	RES, METAL PLATE 0.1			
R627	1-214-789-00	RES, METAL PLATE 0.1			
R630	1-247-700-11	CARBON	100	5%	1/4W F
R631	1-247-721-11	(AEP,G-AEP,UK)..CARBON	4.7K	5%	1/4W
R631	1-249-460-11	(US,Canadian)...CARBON	15K	5%	1/4W
R632	1-247-727-11	CARBON	10	5%	1/2W
R633	1-249-466-11	CARBON	56K	5%	1/4W
R634	1-247-727-11	CARBON	10	5%	1/2W
R635	1-247-713-11	(G-AEP)...CARBON	1K	5%	1/4W
R697	⚠1-215-890-11	(AEP,G-AEP,UK)...METAL OXIDE	470	5%	2W F
R697	⚠1-216-456-00	(US,Canadian)....METAL OXIDE	820	5%	2W F
R698	1-247-727-11	(G-AEP)...CARBON	10K	5%	1/4W
R699	1-247-727-11	(G-AEP)...CARBON	10K	5%	1/4W
R700	1-247-725-11	CARBON	10K	5%	1/4W
R701	1-249-469-11	CARBON	100K	5%	1/4W
R702	1-249-469-11	CARBON	100K	5%	1/4W
R703	1-249-466-11	CARBON	56K	5%	1/4W
R704	1-249-460-11	(AEP,G-AEP,UK)...CARBON	15K	5%	1/4W
R704	1-249-462-11	(US,Canadian)....CARBON	22K	5%	1/4W
R705	1-247-719-11	CARBON	3.3K	5%	1/4W
R706	⚠1-206-723-00	(US,Canadian)....METAL OXIDE	820	5%	3W F
R706	⚠1-216-479-11	(AEP,G-AEP,UK)...METAL OXIDE	560	5%	3W F
R707	1-247-717-11	CARBON	2.2K	5%	1/4W
R803	1-215-915-11	(AEP,G-AEP,UK)...METAL OXIDE	470	5%	3W F
R803	1-216-479-11	(US,Canadian)....METAL OXIDE	560	5%	3W F
R804	1-215-915-11	(AEP,G-AEP,UK)...METAL OXIDE	470	5%	3W F
R804	1-216-479-11	(US,Canadian)....METAL OXIDE	560	5%	3W F

ELECTRICAL PARTS

Ref.No.	Part No.	Description
RV300	1-237-741-11	RES, VAR, CARBON 250K/250K (VOLUME)
RV301	1-237-739-11	RES, VAR, CARBON 100K/100K (BALANCE)
RV302	1-237-740-11	RES, VAR, CARBON 100K/100K (TREBLE)
RV303	1-237-740-11	RES, VAR, CARBON 100K/100K (BASS)
RV501	1-228-989-00	RES, ADJ, CARBON 470
RV601	1-228-989-00	RES, ADJ, CARBON 470
RY700	1-515-356-00	RELAY
S1	⚠1-554-880-11	SWITCH, PUSH (AC POWER)(1 KEY)
S101	1-571-115-11	SWITCH, SLIDE (REC OUT SELECTOR)
S102	1-571-113-11	SWITCH, PUSH (6 KEY)(INPUT SELECTOR)
S103	1-571-111-11	SWITCH, PUSH (1 KEY)(CARTRIDGE)
S300	1-571-114-11	SWITCH, PUSH (3 KEY) (MUTING/SUB SONIC/LOUDNESS)
S303	1-571-112-11	SWITCH, PUSH (1 KEY)(TONE)
S500	1-571-109-11	SWITCH, ROTARY SLIDE (SPEAKER)
T1	⚠1-448-950-11	(US,Canadian)....TRANSFORMER, POWER
T1	⚠1-448-951-11	(AEP,G-AEP,UK)...TRANSFORMER, POWER
TH700	1-800-427-00	POSISTOR
TM500	1-536-706-00	TERMINAL BOARD (SP)

ACCESSORY & PACKING MATERIAL

Part No.	Description
3-701-630-00	BAG, POLYETHYLENE
3-703-450-01	(US).....INSTRUCTION
3-769-223-11	(AEP, UK)....MANUAL, INSTRUCTION
3-769-223-21	(US).....MANUAL, INSTRUCTION
3-769-223-31	(Canadian)...MANUAL, INSTRUCTION
3-769-223-41	(G-AEP).....MANUAL, INSTRUCTION
4-858-078-00	SHEET, PROTECTION
4-911-289-01	INDIVIDUAL CARTON
4-911-290-01	CUSHION

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

TROUBLESHOOTING

Symptom	Remedy
No audio	• Check power cord connection. • Check speaker and program source connections. • Check SPEAKERS selector setting. • Check INPUT SELECTOR. • Adjust VOLUME control.
No audio from one channel or unbalanced left and right volume	• Adjust BALANCE control. • Check speaker and input connections of inoperative channel.
Abrupt sound loss from both speakers	• Turn off amplifier. Check speaker terminals and connecting cords for short.
Lack of bass sound or obscure instrument position	• Check speaker +/– connections for proper phasing.
TONE controls do not work.	• Set TONE switch to ON.
Recording of the desired program source cannot be made.	• Check REC OUT SELECTOR setting.
Severe hum or noise	• TV or VTR is too close to audio system. • Move connecting cords away from transformers, motors or fluorescent lights. • Ground turntable system. • Fully insert connecting cord plugs. • Disconnect turntable ground wire when using an MM cartridge with a ground piece. • Wipe plugs and jacks with a cloth lightly moistened with methanol.

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Sony Corporation
Audio Group

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